

人 名 索 引

A

Abel, N. H.	624
Abell, T. B.	472
Akimoff, N. W.	102, 323, 402, 405
Ambrohn, R.	680
Anderson, J. A.	652, 682, 673
Anderson, S. H.	108
Angenheister, G.	614, 628, 629, 635, 637
Aughtie, F.	103
淺羽隆太郎	484
朝倉希一	350
Auerbach, F.	105
Avery	327, 333

B

Banerji, B.	107
Banerji, S. K.	631, 633
Barus, C.	64
Basset, A. B.	61, 142
Bauer	213
Benioff, H.	669
Bennowitz, K.	64
Berlage, H. P.	581
Bernoulli, D.	61
Berry, Arthur	186
Bertin, E.	432, 438
Bertrand, J. L. F.	19, 20
Bessel, F. W.	52, 75, 121
Bhargava, S.	107
Biles, H. J. R.	455
Biles, J. H.	444, 451, 455, 476
Blaess, V.	202, 210
Blessing, P. J.	146
Bccher, M.	70

Bornitz, G.	634, 638
Borowicka, H.	165
Bottomley, K.	680
Boussinesq, J.	166
Brauchitsch, E. v.	222, 318
Bromwich, T. J. I. A.	62, 146, 151, 166, 573
Bryan, G. H.	62, 441, 473
Buckingham, F.	181
Byerly, P.	536

C

Cady, W. G.	63
Campbell, W.	285
Cannon, A.	435, 455
Carrington, H.	122
Carter, B. C.	49, 222
Carwen	326
Castigliano	515, 526
Chambers, F. M.	108
Chaplin, W. S.	658
Chladni, E. F. F.	61, 129
Chree, C.	93, 146, 147, 151, 152, 181
Closterhalfen, A.	362
Collins	679
Colwell, R. C.	123
Conrad	614, 615, 618
Coradi	53
Coriolis	199
Cormac, P.	331, 334, 339, 342
Coulomb	46, 47, 48, 49
Courant, R.	68, 70, 72, 110
Courwenhoven, A.	367
Cowley, W. L.	87
Cranz, C.	165, 315

D

Dalby, W. E.	318, 328, 334
Darnley, E. R.	92, 181
Dean, W. R.	62
Debye, P.	122
de Laval	177, 188
de Lavaud, D. S.	391, 394
de Quervein	650, 652, 654, 667, 672
Derleth, C.	498
Desaxé	333
Descartes	43
Devillers, R.	334, 339
Dirichlet	7
Dubois, Fr.	268
Duckert, P.	665
Druffing, G.	52
Dungen, H. F. van den	69, 99, 192, 510
Dunkerley, S.	176, 177, 180, 181 183, 209, 210, 212
Dunn, B. W.	172
Dziobek, O.	315

E

Eason, A. B.	550, 637
Eckolt, W.	49
Edelmann	666
Edge, A. B. Broughton	640
Ehlert, R.	641, 661
Einthoven	665
Eksergian, R.	314
Elliot, Obadiah	377
Elsas, A.	123
Emde, F.	53
Essau, A.	86
Essers, E.	636
Euler, L.	61, 88, 208, 254
Ewing, J. A.	358, 546, 651, 652, 653, 658, 659 660, 661, 666, 667, 672, 675, 680

F

Fage, A.	186
Fletcher, C. N.	318
Flügge, W.	274
Föppl, A.	188, 190
Föppl, L.	187
Föppl, O.	69, 199, 201, 213, 225
Foerster	473, 474, 476
Fourier	6, 7, 48, 53, 54, 110, 136 137, 223, 248, 251, 541, 606
Fox, F.	214
Frahm, H.	213, 473, 474, 476
Fredholm	107
Freudenreich, J. von	274
Frith, J.	181, 213
Fromm, H.	387, 391
Froude, R. E.	439, 443, 450, 472
Froude, W.	437, 438, 439, 441, 442, 445 446, 448, 451, 462, 471, 472
Fnnk	526

G

Galitzin, B.	551, 622, 631, 641, 642 643, 651, 653, 660, 661, 663, 666 667, 668, 669, 671, 673, 674, 681
Gatewood, W.	402, 411
Gauss, C. F.	259
Geiger, J.	53, 214, 222, 294, 331 635, 675, 676, 677, 678
Geiger, L.	615, 618, 623, 626, (631), 635
George, W. A.	108
Gerb, W.	550, 636
Gherzi, E.	633
Ghorh, M.	108
Ghosh, R. N.	107, 108, 113
Gisholt	326, 327
Gnome	341
Goldhammer, D. A.	122, 123
Goldsbrough, G. R.	129

Gossot, F.	315
Gradstein, S.	225, 510
Grammel, R.	124, 161, 240
Grauer, H.	139
Gray, T.	358, 546, 651, 653, 658, 666, 672
Green, G.	69, 72, 73, 74, 75, 76, 113, 116
Greenhill, (Sir) G.	176, 186
Grumnach, v. Leo	674, 681
Guest, J. J.	378
Gümbel, L.	102, 213, 222, 401, 414, 422
Günther, O.	383
Gutenberg, B.	572, 574, 580, 581, 604, 614 615, 616, 618, 622, 623, 627 628, 629, (631), 633, 643, 653

H

波江野清藏	617, 639, 665, 682
萩原尊禮	639
Hahn, F.	210, 271
Hahnkamm, E.	41, 476
Hall, E. E.	680
Hall, S. Scott	536, 550, 551
Hamilton	43, 45, 46, 76, 115, 117, 118
Harrn	640
Harimann, L.	171, 172
Hartog, Den, J. P.	47, 105
長谷川惠剛	617
長谷川萬吉	582, 582
Hausmaninger, V	168
Healey, A.	382
Hechler, F. G.	323, 551, 680
Heck, O.	54
Hecker, O.	622, 628, 651, 661, 673
Heffer, P.	383
Heidebroek, E.	322
Heimstädt, O.	171, 172
Helmholtz, H. v.	107
Hempel, M.	86
Hencky, H.	704
Henderson, J. E.	425

Henrici, O.	53, 54
Herglotz, G.	623, 627
Herrmann, L.	53
Hertz, H.	62, 166, 168, 170, 171, 562
Hester, J.	536
Heymann, H.	320
日比忠彦	362
樋口盛一	581, 649
Hilbert, D.	68, 70, 72, 110
Hinz, K.	511
Hofmann	326, 327, 333
Hohenemser, K.	31, 58, 86, 510
Holm, O.	49, 384
Holt, C. Frodsham	451
Holzer, H.	69, 90, 214, 215, 301
本多弘吉	566, 571, 609, 611, 634
本多光太郎	64, 164
Höniger, W.	172
Hooke, R.	608
Hopkinson, B.	172
Hoppe, R.	61
畑越三郎	534, 535
Horn, F.	402, 411, 422, 423, 423
Hort, W.	51, 52, 58, 86, 90, 102, 123 248, 238, 297, 312, 314, 637, 675
Hosali, N. M.	606
星野市郎	636
Howland, R. C. J.	87, 111, 124, 208, 209
Hübner, W.	679
福島龍太郎	349, 350, 362
福富孝治	534, 562, 615, 619

I

今村明恒	534, 535, 598, 599, 609, 610 612, 617, 619, 620, 620, 621, 622, 631 651, 656, 658, 659, 666, 667, 669, 673
Ince, E. L.	113
Inglada, V.	630
Inglis, C. E.	62, 330, 541, 545, 546
井上宇胤	598

五百族頭啓 64
 石川高見 583, 619
 石本巳四雄 452, 453, 473, 476, 502
 534, 535, 562, 598, 648, 652, 661
 662, 663, 664, 670, 674, 679, 680
 伊藤徳之助 604

J

Jackson, P. R. 477
 Jaerisch, P. 61
 Jahn, J. 361
 Jaquet, E. 301
 Jeans, J. H. 62, 151, 566
 Jeffcott, H. H. 180, 202, 210, 543
 Jeffreys, H. 557, 574, 581, 615
 617, 622, 630, 631
 Jehlicka 222
 Johns, A. W. 432, 436
 Jones, D. T. 680
 Jones, E. T. 146
 Jones, H. J. 314, (639)
 Jones, J. H. 639, 680
 Jouguet, E. 166

K

Kalahne, A. 37, 105, 110, 121
 Kamm, W. 214
 金井 清 87, 308, 506, 509
 511, 513, 591, 598, 602
 Kappes, C. 636
 Kar, K.C. 108
 Karas, K. 192, 199
 加藤 弘 129, 135, 137, 138
 Kaufmann, A. 391
 Kaufmann, W. 92, 107
 河野輝夫 510
 河角 廣 581, 586, 590, 610, 611, 616, 631
 Kelvin, Lord 19, 21, 166, 211
 Kerr, W. 183
 Keys, D. A. 640

Kijlstra 681
 菊池大麓 621
 Kimball, A. L. 49, 187, 318
 King-Salter, J. J. 320
 Kirchhoff, G. 61, 93, 94, 107, 119
 121, 254, 494, 496, 498
 岸上多彦 534, 562, 599, 617, 619, 660, 670
 鬼頭史城 312, 313
 Klein, L. 315
 Klotter, K. 58, 87, 123, 125, 126
 Kneser, A. 72
 Knott, C. G. 581, 586, 590, 622, 623, (631), 672
 Koch, K.R. 315
 小平孝雄 599, 617, 619
 König, M. 123, 268
 今野清兵衛 64, 164
 Köppen, J. v. 679
 Kriloff, A. 446, 461
 Krumbach, G. 569, 604, 618, 630
 Krupp 328, 327
 久保 懋 64, 92, 164
 隈部一雄 382
 Kummer, W. 367
 Kundt 682
 國富信一 609, 620, 621
 久野五十男 323, 324, 326
 Kunze 326, 327, 333
 日下部四郎太 609, 622
 草間 偉 497

L

Laby, T. H. 640
 Lacoste, J. 654, 667
 Lagrange 21, 23, 24, 28, 44, 45, 48
 268, 314, 474, 509, 521, 541
 Lahr, J. 53
 Lamb, E. H. 213
 Lamb, H. 5, 18, 19, 24, 26, 29, 31, 61, 62
 108, 123, 144, 145, 147, 150
 155, 162, 165, 257, 293, 563

Lame, G. 57, 60, 61, 156, 557, 591
 Langer, P. 636, 637, 681, 682
 Lawaczek, Fr. 322, 324, 325
 LeConte, J. N. 537
 Lees, C. H. 166
 Lees, S. 191
 Lehmann, W. 676
 Lehr, E. 103, 214, 322
 Lessells, J. M. 225
 Levy, H. 87
 Lewis, F. M. 213, 215, 218, 219
 220, 222, 223, 224, 423
 Liebowitz, B. 680
 Lienard, A. M. 52
 Lindsay, G. A. 63
 Liouville, R. 68, 70, 71, 72, 315
 Lissajous 6, 61
 Lorenz, H. 199
 Lorenz, L. 562
 Losenhausen 326, 327
 Love, A. E. H. 61, 62, 63, 77, 103, 118, 139
 141, 142, 143, 144, 145, 152, 161, 166, 168
 258, 556, 562, 570, 574, 579, 580, 581, 632
 Lübeck, E. 53
 Lübeck, G. 171, 172
 Lundgren 326, 327, 333

M

Mader, O. 53
 Magyar, F. 313
 Maihak 678
 Mainka, C. 583, 641, 643, 651
 659, 660, 673, 674
 Mallock, A. 314, 425, 426, 470, 550, 680
 眞野文二 497, 533
 Marquard, E. 382
 Marshall, K. 536
 Martel, R. R. 509, 523
 Martens 53
 Martin, P. 315

Martin, W. H. 327
 Marvin 656
 Mathieu, E. 114, 119
 松尾春雄 508
 松山基範 622
 松山武秀 496
 松澤武雄 562, 573, 580, 581, 586, 599, 610
 613, 614, 615, 616, 617, 620, 621, 626
 眞島健三郎 508, 525, 526
 眞島正市 315
 Meissner, E. 367, 371, 373, 569, 574, 604
 Meissner, O. 628
 Melan, Bleich 626
 Menges, H. I. 636
 Meurer, F. 53
 Meyer, F. zur Capellen 122
 Michell, J. H. 61
 水原 旭 509, 525, 526, 531
 三川逸郎 639
 Milne, J. 641, 651, 653, 656, 656
 658, 659, 671, 672, 673
 Mintrop, L. 635, 636, 663, 674
 Mises, R.v 314, 362
 宮城晋五郎 172, 313
 Mohorovičić, A. 614, (631)
 Mohorovičić, S. 612, 614, 615
 626, 628, 629, (631)
 物部長瀬 86, 87, 93, 94, 303, 496
 489, 494, 496, 498, 499, 508, 504
 507, 508, 509, 537, 547, 548, 549
 森 茂 172
 Morley, A. 202, 206, 526
 Morris, J. 186, 214, 216, 227, 228, 231
 Morrow, J. 87, 93, 102, 406
 Morton, W. B. 108
 Moseley 432
 元良信太郎 471, 482, 483, 494
 Moullin, E. B. 414, 428
 Muir, N. S. 222
 Müller, Karl E. 367, 376

Müller, W. 192
 武藤倉治 350, 358, 361, 541.
 武藤 清 90, 498, 508, 518, 523, 533, 534

N

Nadai, A. 272
 長岡半太郎 498, 568, 574, 604
 607, 608, 609, 622
 永田愈郎 635
 永山彌次郎 497
 内藤多仲 509
 中村左衛門太郎 574, 591, 610, 620
 621, 622, 641, 673
 中村清二 620
 中西不二夫 334
 中野 廣 563, 568, 574
 中谷宇吉郎 610
 Napier, J. L. 338, 383
 成毛 實 452, 453, 458, 462
 那須信治 619, 620, 621, 638, 640, 658, 660, 668
 Navarro 668
 Navier, C. L. M. H. 61
 那波光雄 621
 Naylor, T. M. 181
 Neumann, F. 619, 668
 Nicholls, H. W. 401, 423
 Nicholson, J. W. 94, 95, 97, 494
 西村源六郎 134, 566, 570, 591, 702, 611, 634
 野口孝重 53, 54, 57
 Norton 320

O

小幡重一 665, 681, 682
 小幡彦一 620
 Oehler, E. 271
 小川清二 217, 223, 225
 沖 巖 189
 大河内正敏 315
 大久保準三 166, 171
 Olsen 326, 327, 333

大森房吉 350, 358, 359, 361, 362, 367, 487, 497
 498, 500, 503, 533, 534, 535, 546, 548, 549
 614, 618, 619, 620, 621, 631, 633, 638, 641
 649, 651, 656, 657, 658, 659, 672, 674, 680
 小野鑑正 99, 242, 244, 246, 280, 285, 287
 288, 294, 297, 309, 311, 312
 Ormondroyd, J. 49

P

Pánetti, di Modesto 348
 Parodi, M. H. 368
 Paschwitz, E. v. Rebeur 651, 659, 661, 671
 Pavlenko, G. E. 415, 421
 Payne, M. P. 452, 454
 Perry, J. 168
 Picard 650, 652, 654, 667
 Pichelmayer, K. 53
 Pilgram, M. 315
 Plank, R. 168, 172
 Piatrier, Ch. 69
 Pechhammer 61, 152
 Pohlhausen, E. 508, 518, 523
 Pöschl, Th. 155, 170, 160, 199, 518
 Poisson, S. 60, 61, 62, 76, 105, 115, 124, 154
 251, 265, 277, 285, 561, 563, 586
 Pollack, L. W. 53
 Prager, W. 31, 86, 508, 509, 510, 551
 Prandtl, L. 62
 Prescott, J. 68, 86, 122, 178
 265, 293, 423, 424
 Prey 643

R

Radaković, M. 362, 541
 Raman, C. V. 107, 166, 171
 Ramsauer, C. 171
 Rankine, M. 176, 318, 435
 Rausch, E. 54, 510, 636
 Rayleigh, Lord 5, 6, 16, 19, 21, 26, 28, 29, 31
 33, 34, 61, 62, 63, 77, 78, 80, 99, 100, 101, 102

103, 106, 109, 111, 113, 114, 115, 119
 120, 127, 129, 143, 146, 147, 159, 160
 161, 170, 202, 203, 211, 259, 261, 263
 270, 271, 402, 404, 415, 416, 418, 490
 491, 492, 556, 562, 563, 565, 566, 567
 568, 569, 570, 571, 573, 574, 677, 580
 607, 610, 611, 632, 633, 634, 636, 682

Reiher, H. 635, 638
 Reinstein, E. 114
 Reissner, H. 139, 209, 242, 508, 509, 515, 518
 Rembold 222
 Riccati 61
 Richter, C. F. 618, 638
 Riekert, P. 334
 Riemann R. 7, 106
 Ritchie, E. G. 65
 Ri z, W. 61, 100, 101, 114, 126, 127, 128
 129, 137, 270, 271, 402, 403, 415, 421
 Robb, A. M. 448, 474
 Rohrbach, W. 574
 Root, R. E. 314
 Rosenthal, E. 630
 Rothé, E. 654, 667
 Routh, E. J. 5, 26, 41, 43, 190
 Rowell, H. S. 377, 383
 Rudolf, E. 628
 Runge, C. 53
 Russo, Captain G. 454
 Rutzki, M. P. 622

S

巖坂清信 662
 Saint-Venant 62, 65, 67, 166, 168, 171
 齋田時太郎 502, 534, 535
 酒井佐明 64
 Sanden, H. v. 54, 294
 佐野利器 500, 602, 603, 508, 525, 526
 Sass, Fr. 214, 222
 佐藤 兌 433, 445, 452, 453, 458, 462, 470
 佐藤小太郎 538

Sauer 674
 Scheel 53, 294
 Schein, A. 320
 Schenk, Carl 678
 Schieferstein, H. 382
 Schlechter, W. 383
 Schlechtweg, H. 604
 Schlesinger, K. 107
 Schlick, O 399, 401, 421, 422, 423, 427, 476
 477, 478, 479, 480, 481, 674, 675
 Schlüter, W. 620, 641
 Schmitt, H. 139, 543
 Schneider, W. 635, 637
 Schrutka, L. v. 53
 Schuchardt 320
 Schuler, M. 475, 671
 Schulze, F. A. 65, 122, 123
 Schünemann, H. 633
 Schutte 320
 Schwerin, E. 52, 102, 187, 297, 301, 304, 367
 Scribanti, A. 435, 436, 446
 Sears, J. E. 62, 171
 Seebeck, A. 61
 關口 澄 99
 Selikin, R. 314
 Sharp, A. 53
 Shaw, J. J. 656, 671, 673
 柴田 鞋作 497
 志田 順 562, 607, 610, 611
 Sieberg, A. 622
 Siegbahn, M. 113
 白鳥勝義 620
 Smith, J. H. 241
 Soderberg, C. R. 58, 170, 323
 Sørensen, E. 301
 Southwell, R. V. 62, 122, 181, 202
 251, 257, 293, 322
 Sperry 320, 477, 480, 481, 675
 Spiegel 382
 Steinbach, A. 551

- Steeding, H. 643, 674, 678
 Stieglitz, A. 214
 Stodola, A. 187, 198, 199, 202, 203
 222, 249, 266, 270, 271, 272
 Stokes, G. G. 62, 458, 539, 540, 541, 562
 Stoneley, R. 566, 573, 580
 Strehlke 61, 129
 Sturm 68, 70, 71, 72
 須田統次 614, 620
 末廣恭二 90, 276, 280, 285
 316, 320, 323, 324, 326, 327, 427, 431, 433
 437, 445, 446, 451, 452, 453, 454, 455, 457
 458, 460, 461, 462, 464, 465, 469, 472, 473
 474, 476, 488, 489, 490, 491, 493, 498, 410
 502, 518, 531, 532, 534, 535, 536, 538, 621
 622, 634, 652, 659, 660, 663, 664, 679, 680
 鈴木武夫 581, 584, 586, 590, 591, 617
 Sylvester, C. 26, 320
 Szirtes, S 628
- T**
- Tait, P. G. 166
 高橋龍太郎 619, 648, 652, 663, 674
 田丸卓郎 50, 106, 641, 664
 Tams 643
 田邊朝郎 362
 田中敏吉 339, 342
 田中正平 129
 田中館愛橘 497, 533, 653, 669
 谷口 忠 497, 508, 509, 515, 517, 518
 526, 533, 534, 535, 536, 621
 Taylor, D. W. 330, 331
 Taylor, J. L. 421, 422, 424
 寺田實彦 37, 102, 109, 113, 123, 146
 414, 423, 570, 610, 620, 621
 Taoma, H. 692
 Tnomas, S. 49
 Thome, W. 636, 637
 Thornicroft, J. I. 473
 Tillotson, E. 580

- Timoshenko, S. 79, 170, 218, 225
 294, 373, 541, 543
 Tobin, T. C. 408, 410, 411, 415, 421, 496
 Tolle, Max 214, 215, 314
 Tschudi, E. W. 171
 坪井忠二 570, 671
 築地宜雄 106
 Tupin, W. A. 241
 Turner, H. H. 630, 631, 632

U

- Uller, Karl 581
 内田祥三 534
 内丸最一郎 312, 313

V

- van der Pol, Balth 52
 Vedeler, G. 423, 446, 452
 Vincent, J. H. 171, 172
 Voigt, W. 62, 64, 115, 123, 168
 Voulot, M. 108

W

- 和達清夫 609, 614, 615, 619, 631, 632, 634, 647
 Wagstaff, J. E. P. 62, 171
 Walker, G. W. 581, 583, 589, 622, 641
 Walther, A. 54
 Walkling, F. W. 510
 渡邊嘉弘 436, 446, 447, 450
 451, 461, 464, 474, 476
 渡邊 義 477, 481
 渡邊俊平 172
 Watson, G. N. 114
 Watts, P. 471, 473
 Weaver, S. H. 320
 Weber, H. 7, 72, 106, 129
 Wedemeyer, E. A. 388, 399
 Weishaupt, J. 511
 Weissenberg, Gustav, J. 383
 Wendroth, H. 679

- West, C. D. 603
 Wheatstone, C. 129
 Wheeler, H. D. 322
 White, Sir W. H. 439, 445, 448, 472, 477
 Whittaker, E. T. 5, 16, 21, 24
 26, 38, 43, 70, 114
 Wiechert, A. 376
 Wiechert, E. 581, 622, 627, 628, 630, 631, 641
 643, 647, 648, 650, 651, 652, 653
 654, 655, 667, 671, 672, 673, 678
 Wien, M. 37, 640
 Wilip, J. 661, 668
 Wilson, W. K. 318, 328, 332, 526
 Wolf, K. 108
 Wollé, G. 679
 Wood, H. O. 618, 638, 652, 662, 666, 673
 Woollard, L. I. 474, 475, 476
 Wrinch, D. M. 99, 294, 591, 617
 Wydler H. 214, 223

Y

- 山田國親 599, 618
 山内鎮一 315
 山崎直方 621
 Yarrow, A. F. 331, 334, 426
 保田柱二 620, 622
 横田成年 411, 414, 421, 422, 428, 680
 吉山良一 639
 Young, A. E. 60, 76, 87, 103, 115, 124, 129
 173, 177, 204, 251, 257, 265, 277, 285, 289
 298, 301, 304, 313, 403, 406, 412, 415, 488
 506, 511, 516, 519, 523, 526, 531, 538, 539
 Younger, J. E. 537
- Z**
- Zahn, A. F. 681
 Zenneck, J. 123, 124
 Zimmermann, H. 62, 541
 Zipperer, L. 53
 Zöllner 651, 661
 Zöppritz, K. 581, 615, 622, 623
 627, 628, 630, 631

事項索引

A

Active type のジャイロ 477
Anderson 及び Wood の地震計 682
安定度 4, 271, 444
安定係数 4, 9, 14, 15; 主要, 28
安定水槽 473
Aperiodic vibration 9
脈縮率 60
Astasierung 672; 地震計の, 672
厚さの變化する圓板の固有振動 264

B

倍率 645, 646, 647; 描針, 646, 647, 656;
地震計の, 646, 647; 針先, 646; 力學的, 646
Batten apparatus 470
Beats 6
Bent 509, 523
Bertraud 及 Kelvin の定理 19
Bessel 函数 52, 75, 121, 252, 256
Bilge keel 437, 438, 439, 441, 453
454, 460, 471, 472, 482, 483
Bolster spring 349
棒の縦及び振りの振動 62, 68, 70
棒の縦振動 62, 63, 70, 76
Bosch の地震計 659
Boundary conditions 66
Boussinesq の方法 166
Buckling 91, 133, 134, 175, 206
207, 208, 249, 272, 273
分散波 81
描針倍率 646, 647, 656

C

Cambridge の振動計 679

Carl Schenck の振動計 678
Characteristic 曲線 250
Chladni's figure 61, 129
Chladni 模様 61, 129
Circular frequency 3
Coefficient of inertia 5, 14, 17;
Principal, 28
Coefficient of resistance 8
Coefficient of stability 5, 14; Principal, 28
Collins の加速度計 679
Compression stroke 214
Configuration 16, 17, 19, 22, 24
Confugate 27, 36, 119; properly, 31
Conservative 44; system, 24
Coriolis の力 199; の影響, 199
Coulomb damping 49
Coulomb の振動減衰抵抗 46
Coupled free oscillations 37
Criterion amplitude 443, 450
Critical speed 176, 198, 213; cf a shaft,
176; of the second order, 198; of torsional
vibration, 213; Major, 224, Minor, 224, 225
Curve of declining angle 438
Curve of extinction 438

D

ダブルット式の源点 566, 567, 568
第一次の釣合 329
第一種の波動 160
第一種の週期的解 371, 374, 375
第二次の釣合 329, 330, 331
第二種の波動 158
第二種の週期的解 371, 374, 375
Damped free vibration 8
Damper 642, 643, 661, 673

674; Air, 655, 659, 673; 液體の, 673, 674;
空氣, 673; Magnetic, 643, 673; Oil, 755
Damping 672, 673
Dandinement 391, 394
彈性波の重複反射 591
彈性波の反射及び屈折 581
彈性波の屈折 584
彈性振動研究の沿革 60
彈性振動の安定問題 173
彈性體に働く衝撃 162
彈性體に傳はる波動 155
彈性體の力學 59
Degree of freedom 13, 16
Degree of stability 4
de Laval flexible shaft 177, 188
電氣機軸車の振動 367, 374
Differenzgleichung 526, 528, 531
Distortional wave 560
Dimensional analysis 538
Dipping and heaving 431, 452
地震動に伴ふ構造物振動型の種類 486
地震動に關する物理的問題 608
地震波 556, 561, 562, 568
573, 574, 581, 583, 584, 586, 591, 596, 602
604, 607, 608, 609, 611, 613, 614, 616, 617
618, 637, 638, 639, 640; 動, 622; 一般的,
574; の種類, 556; 及び土地の震動, 556
地震計の Astasierung 及 damping 672
地震計の記録装置 669
地震計の構造型式 650
地震計式振動計 674
地震記録の各位相 610
Dissipation 11; function, 34
Dissipative force 33
Distortional wave 560
同周期性 11, 443, 448, 458, 459, 462, 463; 非, 464
動力學的安定量 440
同値波面 464
同調 11
動搖の爲の慣性力 386

E

Effective wave slope 442
Eigenfrequenz 110
Eigenfunktion 71, 82, 110
Eigenschwingung 110
Eigenwert 68, 70, 71, 72, 82, 110, 119, 173;
funktion, 71; -problem, 70, 71, 75, 109
110, 178; Sturm-Liouville の, 68, 70, 71
Einflussfunktion 73
圓板の固有振動 251, 257, 261, 264, 268
Energy of longitudinal and transverse
vibrations 76
圓形板の振動 120, 125
遠距離地震 627
Equilibrium value 10, 33
Equivalent wave surface 464
Ewing 型の地震計 658

F

Fabric 109; 飛行機の, 109
Flattern 391
Flexible couplings 247
Flutter 390; blade の, 459
Flux 172
Forced vibrations 9
Fourier analysis 53
Fourier 分析 7, 251, 541; 強制力の, 541
Fourier 解析 223
Fourier (の) 級数 6, 67, 137, 248, 541
Fourier の方法 136
Fourier の定理 6
Fourier's theorem 6
Free vibrations 8, 15

Frequency 方程式 70
 Frequency equation 82, 83
 Froude の理論 441
 Froude's apparatus 471
 Fullarton の vibrometer 680
 Fundamental mode 25
 Fundamental vibration 25
 船の動揺測定法 469

G

外力の一般成分 22
 Galitzin 加速度計 666
 Galitzin の方法 643
 Galitzin 其他の上下動地震計 667
 Galitzin 其他の水平振子 661
 Geiger の torsio-graph 及 vibro-graph 675
 Generalised components of force 22
 Generalised components of impulse 18
 Generalised components of momentum 18
 Generalised components of velocity 16
 Generalised coordinates and velocities of a multiple system 16
 絛の振動 105, 107
 減衰係数 163, 465
 減衰摩擦係力 223
 減衰力 33, 34, 35, 37, 162, 165, 168, 189, 190, 222, 223, 224, 249, 432, 448, 449, 450, 451, 634, 644, 645, 646, 649, 650
 減衰率 . 8, 457, 533, 674; 粘性, 49; 對數(的), 538
 減衰性 11
 33, 37, 38, 40, 41, 47, 48, 90, 105, 108, 185, 203, 446, 450, 451, 476, 511, 531, 550, 603, 645, 646, 647, 648; Coulomb, 47, 48; のある聯成振動 39; のない聯成振動, 37; 振動, 46, 531
 減衰抵抗 447
 Geophysical prospecting 640
 Gimbal rings 471
 撓角撓度法 526, 527
 振調和振動 50, 52, 370
 Gray-Ewing-今村上下動振子 666

Green の函數 69, 72, 73, 74, 75, 76
 Green の定理 116
 Green's function 113
 Group velocity 572
 群速 572, 573, 574, 580; 度, 574
 Gyroscopic vibrations of a rotating shaft . 192
 Gyrostabilizer 476

H

波江野式ラヂオ地震計 666
 歯車傳導裝置 229, 231, 236, 240; の固有振り振動, 231, 236; の強制振り振動, 240; の振動に就て, 229
 歯車傳導裝置の振動 229
 歯車の齒の週期的變形 242
 歯車聯結 232
 薄球殼の振動 145
 薄圓筒の振動 142, 143
 Hamilton の原理 . . . 43, 45, 46, 76, 115, 117, 118
 Harmonic analyser 54
 Harmonic analysis 53
 平衡値 10, 12, 33
 並列にある歯車裝置 237
 壁體の振動 500, 602
 Helical spring 349
 變化する角運動量に起因する二次的危險速度 201
 偏心なき車軸の危險速度 177
 偏心のある場合の車軸の危險速度 186
 Hertz の理論 166, 168, 170, 171
 "High spot" の方法 319, 320, 324; を用ひる balancing machine, 319
 標準振幅 443, 450
 補剛構 548
 Holonomic system 17, 18, 44
 Homogene Differenzgleichung 528
 Hooke の法則 608
 Horizontal apparatus 470
 砲身の振動問題 314
 附加回轉子を有し偏心なき車軸の危險速度 . 183

不衡力の一的研究 331
 腹 67, 398, 429
 副動搖 479
 フラッター 390, 391, 392, 393, 394; 角, 391, の振動數, 393; 自動車前車輪の, 390
 風力による構造物の振動 549
 Hypergeometric function 99, 291

I

移行せざる週期的強制力 542
 移行する無週期強制力 545
 移行する週期的強制力 543
 今村式の種々の水平振子 658
 Index magnification 646
 Indicator magnification 646
 Inertia torque 336, 341, 344
 Inferior limit of whirl 186
 Inhomogene Differenzgleichung 528
 一般彈性體の振動 59
 一般動搖問題 357
 石本式加速度地震計 602
 位相 3
 板の振動方程式 115, 118

J

Journal 225, 227, 228; の振り抵抗モーメント, 228

K

可反關係 19, 74
 可反定理 32
 回轉圓板の固有振動 267, 261
 回轉機械の不衡力 317
 回轉機械の釣合試験機 319
 回轉氣筒式發動機の不衡力 339
 回轉輪 56
 回轉車軸のジャイロ作用 192
 回轉車軸の危險速度 69, 176
 回轉子の釣合試験機 320, 323
 架構構造物の振動問題 507

架構振動問題 515, 518, 523, 526; の靜力學的解法, 523; の勢力式による近似解法, 515; の條件節約による近似解法, 518
 架構振動問題の靜力學的解法 523
 鐘の振動 145
 慣性係數 5, 14, 17; 主要, 28
 慣性トルク 336, 338, 339, 341, 345
 緩衝器 347
 加速度計の感度 648
 滑動及び顛倒 502
 徑間 546, 547, 548, 549
 Kern 70
 Kernel 70, 106, 124, 296
 機械の釣合問題 316
 機關及び回轉機械の振動とその不衡力 316
 機關車の振動 362, 367; 實驗, 367
 機關車其他の釣合試験 333
 危險速度 . . . 69, 176, 177, 178, 179, 182, 186, 188, 190, 191, 192, 197, 198, 200, 201, 202, 203, 204, 208, 209, 210, 212, 224; 減衰性のない車軸の, 203; 偏心なき車軸の, 177, 204; 偏心のある場合の車軸の, 186; 回轉子を有せざる車軸の, 177; 回轉車軸の, 69, 176; 二次的, 198; 水平軸の低次, 189; 車軸の, 203; 車軸の主要, 182, 212
 Kinetic potential 23, 44, 76
 King-Salter の方法 320
 近距離地震の驗震 613
 均等方程式 21; 一次, 521
 記録裝置 643
 岸上式微動計 660
 工學用振動計 673
 效果的波面 463, 464
 固形圓錐體の振動 152
 固形球體の振動 147
 拘束の影響 23
 固體粘性による地震波の減衰 604
 固定發動機の不衡力 334
 固定星型發動機 336
 構柱 509, 511, 523
 交通機關又は工場の爲の振動 634

構造物破壊試験 538
 構造物の動搖 502
 構造物の剪断振動 500
 構造物の振動減衰性 531
 構造物の種類及びその振動の原因 485
 短形板の振動 126, 129
 空気制振器 655
 屈曲弾性波 81
 屈曲減衰振動 531
 屈曲モーメント 79, 87, 94
 183, 193, 194, 247, 279, 304, 342, 421, 490, 493
 505, 511, 513, 516, 517, 526; 最大, 490, 493
 屈曲振動 棒の,
 61, 64, 103, 126, 164, 176, 177; 減衰, 165; 板
 の, 127, 159; 曲線状の棒の, 103; の波, 161;
 の速度, 159; 船體の, 398, 424, 429; 船體の
 上下及び水平の, 401; 水平(の), 397, 399
 400, 401, 402, 423, 425; 數の算定法, 402, 405
 408, 411, 415, 421; 車軸の, 176, 177; 牆體の,
 154; 自由, 179; 上下(の), 397, 399, 401, 402
 屈曲振動數の算定法 402, 405, 408, 411, 415, 421
 屈曲抵抗 257, 261, 652, 662
 屈曲的振動 144, 145
 Kundt's tube 682
 クランク軸の振り振動 225
 繰返し應力の問題 173, 175
 複状態の自由振動 496
 強制動搖 352; 不減衰, 449; 軌條の性
 質による, 385; クランク運動による, 364; 局
 部的の力の爲の, 355; 縦搖及び上下動の, 352;
 横搖的, 354; 自動車の上下動及び縦搖の, 383
 強制振動 . 2, 9; 弾性的, 225; 減衰系物體の, 11;
 齒車の齒の, 242; 方程式, 365; 一般座標の組
 織の, 31; 一層の載荷のある場合の, 505; 架橋
 の, 523; 橋梁の, 544; 球殻の, 146; 二張間架
 橋の, 515; 聯成, 41; 錐狀構造物の, 498; 週期
 的永久性, 601; 多張間架橋の, 512; 單弦的, 498
 橋梁振動の測定 545
 共振 27, 31; の複素根, 36; の關係, 27

L

Lamé の彈性率 156
 Lamé の函數 57
 Length of equivalent shaft 226
 L (波) 580, 610
 Lissajous figure 6
 Longitudinal vibrations of bars 62
 Loop 67, 398, 432
 Loss in dynamical stability 440
 Love 波 161, 556, 574, 579, 580
 581, 610, 632; の分散性, 574

M

Magnification 646; Indicator-, 646;
 Index-, 646; Dynamical, 646
 M (波) 580
 Maihak の振動計 678
 Mainka の Kegelpendel 659
 Main shock 486
 Major critical speed 224
 膜の振動 109
 枕ばね 349, 357
 Mallcock's rolling indicator 470
 摩擦輪 56
 Mathieu の函數 114
 廻しモーメント 335, 336, 341; クランク, 341
 Microseisms 632
 Milne 其他の地震計 655, 656
 Minor critical speed 224, 225
 Mintrop の地震計 663
 Modulus of compression 60
 Modulus of decay 8
 Mohorovičić wave 614
 Moment of inertia 64
 Morrow の方法 405
 毛細管加速度計 664
 元良式船舶動搖制止裝置 482
 Multiplet 型源點 574
 脈動 632, 633

N

那須氏其他の設計 660
 振りモーメント 64, 118
 振り(の)振動 棒の, 62, 64, 68, 69, 70; 第
 一次の, 398; 彈性, 220; 圓錐の, 152; 齒
 車傳導裝置の固有, 231, 236; 齒車傳導裝置
 の強制, 240; 複桁を有する翼の, 495; 航
 空機關の, 222; クランク軸の, 225; の現
 象, 213; の節點, 230, 問題, 70; プロペ
 ラ軸の, 230; 船體の, 398, 399, 422, 424
 426; 車軸(の), 213, 214, 217, 222, 225, 236
 240; 車軸の固有, 213; 車軸の強制, 223
 Nicken 349
 二張間架橋 511, 513, 515; の固有振動, 513
 二次的危險速度 198, 201
 Nodal circle 248
 Nodal diameter 248
 Nodal point 85
 ノーマル型 25, 29, 33, 402, 415, 418; の振
 動數, 29; の振動形, 402; の週期, 67;
 の定常性, 29, 37; 振動の, 25, 415, 418
 ノーマル函數 31, 66, 68, 100, 106, 119, 125, 127
 128, 135, 136, 182, 406, 406, 408, 412, 415, 418
 491, 494, 500, 504, 532; 振動の, 182, 484, 504
 ノーマル座標 26, 28, 29, 31, 32, 66, 403, 408, 415
 Nomogram 54
 Non-holonomic system 17, 18, 45
 Node 67
 Normal coordinate 26, 28, 82
 Normal function 31, 71, 72, 82, 83
 84, 85, 110, 119
 Normal mode 25, 110
 Normal vibration 25

O

小橋式眞空管加速度計 665
 横波 557, 570, 581, 598, 609, 615, 638;
 の速度, 599; 入射波, 587; 水平,
 590; 鉛直, 590; の表面反射, 601

凹面回轉拋物體 97
 大森式水平振子 656
 Orthogonal 27, 72, 84, 110

P

Pallograph 674, 675; Schlick の,
 674; Sperry の, 675
 Parameter 75, 100, 102, 208
 Passive type のジャイロ 477
 Pavlenko の方法 415
 Periodic vibration 9
 P (波) 560, 561, 562, 580, 611, 612
 613, 614, 615, 628, 638, 639
 P (波) 612, 613, 614, 615, 616
 P* (波) 613, 615, 616, 617
 P' (又はP) (波) 612, 628
 Phase 3, 36; angle, 3;
 Initial, 3; velocity, 572
 Pionier Vibrograph 681
 Poisson 比 60, 76, 105, 115, 124, 154
 251, 265, 277, 285, 563, 586
 Polar diagram 221, 224
 Polar radius of gyration 76
 Precession 198, 276, 279, 280, 477, 478, 479, 480
 481; Backward, 198; Forward, 198; 角, 477
 Precessional motion 193
 Preliminary tremor 486
 Primary balancing 329
 Principal coordinates 28
 Principle of variation 31
 Pseudoharmonic vibration 50
 プラスチックの影響 170

Q

Quasiharmonic vibrations 50, 52, 370

R

Rayleigh 波 120, 147, 159, 160, 161, 556
 562, 563, 565, 566, 567, 568, 569, 570, 571
 573, 574, 577, 580, 607, 610, 611, 632, 633

Rayleigh 表面波 562
 Rayleigh の變分法則 28, 31
 Rayleigh の方法 29, 100, 102, 127, 270
 271, 402, 404, 415, 416
 Rayleigh の振動數決定法 28
 Rayleigh's disc の方法 682
 Reciprocal relation 19, 74, 165, 166
 Reciprocal theorem 32, 211
 Reduced time-distance curve 627, 628
 連結棒組織の機構 367
 聯成固有動搖の誘起 381
 聯成振動 37, 39, 40, 41; 減衰性のある,
 39; 減衰性のない, 37; 振り(の), 424
 425; 二元的, 425; 水平(の), 424, 425
 Resonance 11, 32, 109, 386, 682
 力學的倍率 646
 Ritz の方法 100, 101, 114, 128, 127, 129
 270, 271, 402, 403, 415, 421
 Rotary inertia 104
 Routh の規範 41

S

載荷の問題 427
 載荷せる構體の震動 603
 Schlick の pallograph 674, 675
 Secondary balancing 329
 靜力學的の極限決定法 187
 勢力式を用ひる近似解法 78
 制振器 642, 643, 645, 655, 661, 662
 665, 667, 668, 678; 空氣, 655
 靜水中に於ける横搖の減衰 437
 靜約合の試験機 326, 328
 積分輪 57
 Selective resonance 13, 33, 37
 船體動搖に關する水槽實驗 452
 船體動搖の輕減法 471
 船體動搖の種類 431
 船體剛度の問題 427
 船體の動搖 431, 437, 471
 船體の局部的振動 424

船體の固有横搖週期 432
 船體の振り振動とその振動數 422
 船體の振動 396, 425; 試驗, 426
 船體の水平, 振りの聯成振動 424
 船體の搖船 465
 船體の上下, 水平の屈曲振動 401
 船體の上下動と横搖 451
 船體振動の輕減法 427
 船體振動の種類と原因 397
 船體振動の實驗 425, 426
 船體横搖 441, 445, 462
 船體横搖中の重心點の運動 462
 選擇共振 13, 33
 接手の條件 525
 節點 67, 85, 95, 97, 221, 222, 230, 306, 390, 398
 401, 409, 411, 414, 425, 429, 430, 519, 520, 521, 527
 528; 剛, 306; 振り振動の, 230; 主動軸の, 230
 節圓 248, 249, 257, 259, 260, 268, 274
 節直徑 248, 249, 250, 251, 259
 260, 268, 274, 280, 285, 296
 S(波) 560, 561, 562, 574, 580
 611, 612, 613, 614, 615, 617; 第一種
 の, 560, 561; 第二種の, 560, 561
 S(波) 612, 613, 615
 S'(波) 612
 S*(波) 613, 615, 618
 Shimmy 391, 394
 Shock absorber 164, 347
 Simple harmonic vibration 2
 振動學の範圍 1
 振動方程式 棒の, 90, 166, 494; 圓板の,
 268; 板の, 115, 118, 156; 回轉子の,
 217; 固體の, 147; 曲面板の, 139; 強
 制, 365; 膜の, 115; 撓みの, 204, 258;
 を直接出す方法, 118; 横撓みの, 531
 振動計の缺點 642
 振動計の理論 643
 振動計の種類及び性質 641
 振動現象による方法 320
 振動曲線 53, 57; の分析, 53

振動の一般理論 1
 振動の基本型 25
 振動の座標による解析 13
 振動測定法 681
 振動と波動 59
 震源から出る縦波横波の種類 557
 振子を用ひる水平動地震計 653
 Slope deflection method 518, 626
 相似船型の動搖試驗 455
 走行車體による構造物の振動 550
 走行車體による橋梁の振動 539, 541
 速度の一般成分 16
 速度曲線 626
 走時曲線 613, 616, 626, 627, 628
 629, 630; 震波, 613, 627
 Span 546
 Stabilizing pressure 482
 Starter 659
 Static character of the disc 249
 Static unbalance 318
 Stationary property of the normal mode 29
 Stiffening truss 645
 Stiffness 5
 Stokes 波 458
 Straight line of the excitation 250, 251
 Stroboscopic 322, 681; の方法, 322
 Strut 208
 Sturm-Liouville 68, 70, 71, 72; の
 Eigenwert, 68, 70, 71
 末廣式地震波分解器 664
 水平動地震計 653; 振子を用ひる, 653;
 彈性其の他を用ひる, 662
 水平振子式水平動地震計及び振動計 655
 水平自在環 471
 錐形及び楔狀構造物の震動 494
 水力機械の振動 312
 錐狀構造物の強制振動 498
 Superior limit of whirl 186
 Superposition の方法 224
 車軸の危險速度 176, 202, 204;

の圖式解法, 202; の勢力式による解法, 202
 車軸の固有振り振動 213; 階段的の質量分布
 を考へての, 219; 週期, 213; 有限長, 213
 車軸の屈曲振動 176, 177
 車軸の強制振り振動 223
 車軸(の)振動 176, 178, 196
 車軸の自由動搖問題の解法 350, 351
 車體の振動 347, 348, 365; 及び動搖性, 347
 Sylvester の定理 26
 Synchronism 11, 444, 463; Non, 464
 衝突問題の實驗的研究 170
 衝擊の一般論 165
 初期微動 486, 556, 561, 610, 611, 613, 614
 618, 619, 632; 繼續時間, 556, 561, 611
 613, 614, 618, 619; 第二, 486; P, 610
 主動搖 479
 周圍固定の圓板 122
 週期性振動 9, 90, 316; 無, 9, 72, 91, 207, 648
 週期的解 371, 374, 375
 瞬力 19, 20, 21; の一般成分, 18
 集中質量の分布を考へて車軸の固有振り振動
 を計算する法 215
 主要動 486
 主要不平衡力 340
 主要座標 28

T

タービン機械其他の振動 247
 タービン翼 287, 288
 294, 297, 299, 301, 303, 305, 309, 311, 512;
 の振動, 287, 288, 294, 311; の車軸方向
 の固有振動, 288, 294; 振動の實驗, 311
 タービン翼群 301, 303, 512; の固有振動の解法,
 303; の振動, 512; の車軸方向の固有振動, 301
 タービン翼車 247, 248, 251, 260, 264
 269, 273, 275, 276, 287, 294; 固有振動の近似
 的算定法, 269; の振動, 247; 振動型の分類,
 248; 振動の強制力, 247; 振動の試驗, 273
 多張間梁構 511, 512, 515; の固有振動,
 511; の強制振動, 512; 單層, 611

耐震上の注意 551
 タイヤの影響 389
 田丸式加速度地震計 664
 田中館式上下動地震計 669
 單弦振動 2, 3, 4, 5, 6, 14, 25, 32, 36
 46, 47, 338, 523, 型, 31
 單層架構造物の解法 511
 建物の振動 534
 建物其他の構造物の振動 585
 撓み接手 247
 撓み振動 . 79, 86, 93, 99, 102, 307, 418; 棒の, 86
 89, 93, 99, 102, 307, 418; の物理學的問題, 99
 Taylor, J. L. の方法 421
 抵抗モーメント . . . 195, 156, 215, 218, 227, 231
 232, 234, 236, 240, 241, 439, 477, 478, 479;
 效果的振り, 227; 屈曲の, 227; 振りの(の),
 227, 228, 231, 232, 241; ジャイロの, 195
 抵抗の係數 8
 轉輪安定機 476
 鐵道車輛の動搖 348, 350
 鐵道車輛振動の驗測 358
 Throw . . . 227, 228, 234; の慣性モーメント, 234
 地下檢索法 639
 地球内部を通る走波曲線 622
 Time-factor 31
 Tobin の方法 408, 411, 415, 421
 共振 11; 第一次(的), 546; 第二次(的),
 546; 動搖, 360, 450; 強制動搖の, 454; 選
 擇, 13; 振動, 321, 324, 397, 399, 551; 的
 の位相, 250; 的の振動, 189; 的撓みの安
 定問題, 173; 横搖, 361; 自由動搖の, 458
 Torsiograph 214, 222, 675, 676, 677
 Torsional vibrations of bars 62
 Torsion-function 77
 Torsion modulus 79
 土地の固有振動 591
 凸面回轉拋物面體の振動 94
 壩狀構造物の震動 488, 532
 塔狀構造物の振動測定 497
 Trajectory 44, 45

Trapezoidal rule 112
 Trampeln 391
 Tremor 632
 Trial and error の方法 . 307, 322, 324, 512, 570
 Trunnion . 342, 343; bearing, 342, 343, 344, 345
 Truss 型 546
 吊橋の振動 547
 Turning moment 336
 筒搖發動機の不平衡力 342
 直交の關係 27
 直列にある數段の齒車裝置 236
 調速機 314
 調和波動 595
 調和振動 3, 4, 8, 50, 570, 575, 645;
 偽, 50; 振, 50, 52, 370
 中心が固定され回轉せぬ圓板の固有振動 . . 251

U

驗り 6, 38, 40, 108, 238, 275
 382, 398, 443; 電線の, 103
 Unbalance of fixed engines, 334; of
 oscillating-cylinder engine,
 342; of rotary engine, 339
 運動方程式 回轉, 466;
 Lagrange の, 21, 22, 23, 28; 振動
 の, 53, 57, 60, 142, 266; 質點の, 539
 運動量 18, 19
 運轉機械による構造物の振動 550

V

Vibrations . . . and waves, 59; of a string,
 105; of a thin cylindrical shell, 142; of a
 thin spherical shell, 145; of membrane, 109
 Vibrograph 675, 676, 677, 678
 Virtual velocity 80
 Virtual weight 462
 V型發動機 336
 Voigt 等の理論 168

W

Wanken 349
 彎曲部龍骨 437
 Web 225, 226, 227, 228
 W型發動機 338
 Whirling 177, 178, 181, 185, 186, 190, 191
 202, 203, 206, 207, 208, 209, 210, 211; of shafts,
 181; speed, 183, 190, 202, 210; 車軸の, 178, 206
 Wiechert-Herglotz の方法 627
 Wiechert 其他の上下動地震計 673
 Wogen 349
 Worm and worm gear 240

Y

横漂流 458
 横田博士の方法 411, 422
 横搖モーメント 446
 横搖週期 432
 横搖を含む動搖 388
 翼車圓周方向の固有振動 297
 翼車のジャイロ作用によつて起る振動 . . . 275
 翼車及び車軸組織の不平衡力によつて起る翼車
 の振動 280
 翼車上の熱の分布の影響 271
 Young 率 60, 62, 76, 79, 87, 93, 100, 103
 115, 124, 173, 177, 204, 251, 257, 265
 277, 285, 289, 298, 301, 304, 313, 403
 412, 488, 506, 511, 516, 528, 531, 538
 有效重量 462

Z

Zeitfunktion 82
 耳軸 342
 自動車固有動搖の理論 377
 自動車の上下動と縱搖 376, 383
 自動車車輪の安定問題 394
 自動車車體の振動 387
 自動車前車輪のフラッター 390
 時間的因數 32
 自由動搖 354; 減衰, 475; 聯成, 378, 390;
 性, 390; 車輪の, 350, 351; 選期, 476
 自由聯成振動 216
 自由振動 棒の, 179, 182;
 減衰, 8; 平板の, 61; 一般座標組織の, 24; 一般
 座標組織の減衰, 33; 一層の載荷がある場合の,
 503; 桁材の, 542; 固形球體の, 147; 振りの,
 242; 二層の載荷のある場合の, 603; の選期,
 33, 37, 41, 324, 401, 490, 496, 497, 517, 521, 523
 547, 549; 聯成, 37, 41, 389; 剪斷, 500; 錐體の,
 500; 對稱的の, 61; 吊橋の, 547; 上下の, 548
 ジャイロ安定機 476, 484
 ジャイロのモーメント 193
 ジャイロの Strength 479
 ジャイロ作用 192, 247, 275, 276
 396, 392, 394, 466
 上下動地震計 666
 縱波 . 557, 560, 561, 566, 582, 583, 584, 585, 586, 588
 590, 591, 598, 599, 600, 603, 606, 609, 610, 612
 613, 615, 638; の表面反射, 582; の速度, 599;
 入射波, 587; 入射波鉛直, 588; 的振動源, 566
 縱振動及び振り振動の勢力 76

研 究 目 録

(カッコ内の氏名は共著者名)

東京帝國大學地震研究所彙報に掲載の分

1. "Dilatational and Distortional Waves generated from a Cylindrical or a Spherical Origin," II (1927), 19-20.
2. "On the Propagation of Rayleigh-waves on Plane and Spherical Surfaces," II (1927), 21-28.
3. "Propagation of Elastic Waves from an Elliptic or a Spheroidal Origin," II (1927), 29-48.
4. "Dispersion of Elastic Waves propagated on the Surface of Stratified Bodies and on Curved Surfaces," III (1927), 1-18.
5. "Scattering of Elastic Waves and Some Allied Problems," III (1927), 19-41.
6. "On the Decay of Waves in Visco-Elastic Solid Bodies," III (1927), 43-53.
7. "On the Propagation of the Leading and Trailing Parts of a Train of Elastic Waves," IV (1928), 107-122.
8. "The Reflection of the Elastic Waves generated from an Internal Point of a Sphere," IV (1928), 123-130.
9. "On the Diffraction of Elastic Waves," V (1928), 59-70.
10. "On the Diffusion of Tremors on the Surface of a Semi-infinite Solid Body," V (1928), 71-83.
11. "Rayleigh-type Waves propagated along an Inner Stratum of a Body," V (1928), 85-91. (西村源六郎)
12. "Further Studies on Rayleigh-waves having Some Azimuthal Distribution," VI (1929), 1-18.
13. "Formation of Deep-water Waves due to Subaqueous Shocks," VI (1929), 19-46.
14. "Elastic Equilibrium of a Spherical Body under Surface Traction of a Certain Zonal and Azimuthal Distribution," VI (1929), 47-62. (西村源六郎)
15. "The Tilting of the Surface of a Semi-infinite Solid due to Internal Nuclei of Strain," VII (1929), 1-14.
16. "Formation of Shallow-water Waves due to Subaqueous Shocks," VII, 1 (1929), 15-40.
17. "Generation of Rayleigh-waves from an Internal Source of Multiplet-type," VII, 1 (1929), 41-64. (西村源六郎)
18. "Periodic Rayleigh-waves caused by an Arbitrary Disturbance," VII, 2 (1929), 193-206.
19. "The Displacement Independence of the Dilatation and the Rotation in a Solid Body," VII, 3 (1929), 389-416. (西村源六郎)
20. "Generation of Rayleigh-waves from a Sheet of Internal Sources," VII, 3 (1929), 417-435.
21. "Propagation of Love-waves on a Spherical Surface and Allied Problems," VII, 3 (1929), 437-455.
22. "Possibility of the Free-oscillations of the Surface-layer excited by the Seismic-waves," VIII, 1 (1930), 1-11.
23. "On the Possibility of the Block Movements of the Earth Crust," VIII, 1 (1930), 13-43. (西村源六郎)
24. "Dispersion of a Sheck in Echoing- and Dispersive-Elastic Bodies," VIII, 3 (1930), 321-337. (西村源六郎)
25. "On the Transmission of Seismic Waves on the Bottom Surface of an Ocean," IX, 2 (1931), 115-143.
26. "Movement of the Ground due to Atmospheric Disturbance in a Sea Region," IX, 3 (1931), 291-309. (西村源六郎)
27. "A Kind of Waves transmitted over a Semi-infinite Solid Body of Varying Elasticity," IX, 3 (1931), 310-315.
28. "The Plastico-Elastic Deformation of a Semi-infinite Solid Body due to an Internal Force," IX, 4 (1931), 398-406.
29. "Possibility of Free Oscillations of Strata excited by Seismic Waves. Part III," X, 1 (1932), 1-17. (金井 清)
30. "Notes on the Waves in Visco-Elastic Solid Bodies," X, 1 (1932), 19-22.
31. "Possibility of Free Oscillations of Strata excited by Seismic Waves. Part IV," X, 2 (1932), 273-298. (金井 清)
32. "Amplitudes of P- and S-waves at Different Focal Distances," X, 2 (1932), 299-334. (金井 清)
33. "Vibrations of a Singled-storyed Framed Structure," X, 3 (1932), 767-802. (金井 清)
34. "Reflection and Refraction of Seismic Waves in a Stratified Body," X, 4 (1932), 805-816. (金井 清)
35. "Vibrations of a Two- or Three-storeyed Structure," X, 4 (1932), 903-910. (金井 清)
36. "On the Propagation of Waves along a Surface Stratum of the Earth," XII, 3 (1934), 263-268. (金井 清)
37. "Reflection and Refraction of Seismic Waves in a Stratified Body. Part II," XII, 3 (1934), 269-276. (金井 清)
38. "Amplitudes of Dispersive Rayleigh-waves at Different Depths of a Body," XII, 4 (1934), 641-649. (金井 清)
39. "Some New Problems of Forced Vibrations of a Structure," XII, 4 (1934), 804-822. (金井 清)
40. "Some New Problems of Forced Vibrations of a Structure," XII, 4 (1934), 823-853. (金井 清)
41. "Love-waves generated from a Source of a Certain Depth," XIII, 1 (1935), 1-17.
42. "Periods and Amplitudes of Oscillations in L- and M-phases," XIII, 1 (1935), 18-38. (金井 清)
43. "Discontinuity in the Dispersion Curves of Rayleigh-waves," XIII, 2 (1935), 237-244. (金井 清)
44. "Rayleigh- and Love-waves transmitted through the Pacific Ocean and the Continents," XIII, 2 (1935), 245-250.
45. "Decay Constants of Seismic Vibrations of a Surface Layer," XIII, 2 (1935), 251-265. (金井 清)
46. "The M₁ Seismic Waves," XIII, 3 (1935), 471-475. (金井 清)
47. "Growth and Decay of Seiches in an Epicontinental Sea," XIII, 3 (1935), 476-483.
48. "The Rate of Damping in Seismic Vibrations of a Surface Layer of Varying Density or Elasticity," XIII, 3 (1935), 484-495. (金井 清)

49. "Decay in the Seismic Vibrations of a Simple or Tall Structure by Dissipation of their Energy into the Ground," XIII, 3 (1935), 681-697. (金井 清).
50. "Energy Dissipation in Seismic Vibrations of a Framed Structure," XIII, 3 (1935), 698-714. (金井 清).
51. "Vibrational Causes of the Overturning of Railway Carriages on the Setagawa Bridge in the Typhoon of Sept. 21, 1934," XIII, 3 (1935), 715-722.
52. "The Nature of Microseisms of Local Type," XIII, 4 (1935), 729-739. (金井 清).
53. "Elastic Waves Produced by Applying Static Force to a Body or by Releasing it from a Body," XIII, 4 (1935), 740-749.
54. "The Effect of Sharpness of Discontinuities on the Transmission and Reflection of Elastic Waves," XIII, 4 (1935), 750-756. (金井 清).
55. "Energy Dissipation in Seismic Vibration of Actual Buildings," XIII, 4 (1935), 925-941. (金井 清).
56. "Damped Free Oscillation and Amplitudes in Resonance, with Special Reference to Decay of Seiches in Straits," XIV, 1 (1936), 1-9. (金井 清).
57. "Elastic Waves Formed by Local Stress Changes of Different Rapidities," XIV, 1 (1936), 10-17. (金井 清).
58. "Energy Dissipation in Seismic Vibrations of Actual Buildings of Unlike Structure," XIV, 1 (1936), 119-133. (金井 清).
59. "Energy Dissipation in Seismic Vibrations of a Six-storied Structure. Coincidence of Resonance and Corresonance," XIV, 1 (1936), 134-145. (金井 清).
60. "On the Relation between Seismic Origins and Radiated Waves," XIV, 2 (1936), 149-156.
61. "The Nature of Transverse Waves transmitted through a Discontinuity Layer," XIV, 2 (1936), 157-163. (金井 清).
62. "Improved Theory of Energy Dissipation in Seismic Vibrations of a Structure," XIV, 2 (1936), 164-188. (金井 清).
63. "Energy Dissipation in Seismic Vibrations of a Seven-storied Structure. Nature of Corresonance," XIV, 2 (1936), 189-200. (金井 清).
64. "Damping in Seismic Vibrations of a Surface Layer due to an Obliquely Incident Disturbance," XIV, 3 (1936), 354-359. (金井 清).
65. "Dissipation Waves Accompanying Forced Seiches in a Bay," XIV, 3 (1936), 360-366. (金井 清).
66. "The Effect of Stiffness of Floors on the Horizontal Vibrations of a Framed Structure," XIV, 3 (1936), 367-376. (金井 清).
67. "Energy Dissipation in Seismic Vibrations of Actual Buildings Predicted by Means of an Improved Theory," XIV, 3 (1936), 377-386. (金井 清).
68. "Polarization of Elastic Waves generated from a Plane Source," XIV, 4 (1936), 489-505. (金井 清).
69. "The Effect of Difference in the Media on the Distribution of Displacements in a Seismic Wave Front," XIV, 4 (1936), 506-513.
70. "Energy Dissipation in Seismic Vibrations of an Eight-storied Structure," XIV, 4 (1936), 514-524. (金井 清).
71. "On the Seismic Vibrations of a Gozyūnotō (Pagoda). XIV, 4 (1936), 525-533. (金井 清).
72. "Resonance Phenomena and Dissipation Waves in the Stationary Vibrations of a Semi-

- infinite Body," XV, 1 (1937), 1-12. (金井 清).
73. "Resonance Phenomena and Dissipation Waves in the Stationary Vibration of the Surface of a Spherical Cavity," XV, 1 (1937), 13-20. (金井 清).
74. "A Method of Minimizing the Seismic Vibrations of a Structure," XV, 1 (1937), 21-32. (金井 清).
75. "Further Studies on the Seismic Vibrations of a Gozyūnotō (Pagoda)," XV, 1 (1937), 33-40. (金井 清).
76. "On the Elastic Deformation of a Stratified Body Subjected to Vertical Surface Loads," XV, 2 (1937), 359-369. (金井 清).
77. "The Same Stationary Vibration of an Origin Accompanying Different Types of Disturbances Therefrom," XV, 2 (1937), 370-376. (金井 清).
78. "On the Free Vibrations of a Surface Layer due to an Obliquely Incident Disturbance," XV, 2 (1937), 377-384. (金井 清).
79. "Energy Dissipation in the Vibrations of a Bridge. I," XV, 2 (1937), 385-393. (金井 清).
80. "Relation between the Thickness of a Surface Layer and the Amplitudes of Love-waves," XV, 3 (1937), 577-581. (金井 清).
81. "On the Plastic Properties of the Earth's Core," XV, 3 (1937), 582-589.
82. "Energy Dissipation in the Vibrations of a Bridge. II," XV, 3 (1937), 590-597. (金井 清).
83. "Model Experiment Confirmations of a Dynamic Method of Minimizing the Seismic Vibrations of a Structure," XV, 3 (1937), 598-613. (金井 清).
84. "Relation between the Thickness of a Surface Layer and the Amplitudes of Dispersive Rayleigh-waves," XV, 4 (1937), 845-859. (金井 清).
85. "The Problem of Elastic Stability of the Earth treated in Polar Coordinates," XV, 4 (1937), 860-877. (金井 清).
86. "The Plastic State of the Earth under Gravitational Forces," XV, 4 (1937), 878-887.
87. "Prevalent Periods of Oscillation in Tidal Waves," XV, 4 (1937), 888-893. (金井 清).
88. "Amplitudes of Rayleigh-waves with Discontinuities in their Dispersion Curves," XVI, 1 (1938), 1-6.
89. "The Plastic State of Certain Planets under Gravitational Forces," XVI, 1 (1938), 7-20. (金井 清).
90. "Studies on the Seismic Vibration of a Gozyūnotō. III," XVI, 1 (1938), 30-38. (金井 清).
91. "Anomalous Dispersion of Plastic Surface Waves," XVI, 2 (1938), 225-233.
92. "Gravitational Stability of the Earth at its Liquid Cooling Stage," XVI, 2 (1938), 234-243. (金井 清).
93. "The Effect of Cooling on a Plastic Earth under Gravitational Forces," XVI, 2 (1938), 244-255. (金井 清).
94. "Damping of Periodic Visco-Elastic Waves with Increase in Focal Distance," XVI, 3 (1938), 491-503. (金井 清).
95. "The Formation of Boundary Waves at the Surface of a Discontinuity within the Earth's Crust. I," XVI, 3 (1938), 504-526. (金井 清).
96. "The Effect of Cooling on a Plastic Earth under Gravitational Forces. II," XVI, 3 (1938), 527-537. (金井 清).
97. "Anomalous Dispersion of Elastic Surface Waves. II," XVI, 4 (1938), 683-689. (金井

- 清).
98. "The Effect of Viscosity on the Gravitational Stability of the Earth at its Liquid Cooling Stage," XVII, 4 (1938), 690-701. (金井 清).
 99. "Theory of the Aseismic Properties of the Brace Struts (Sudikai) in a Japanese-style Building. (Preliminary Notes)," XVI, 4 (1938), 702-713. (金井 清).
 100. "The Range of Possible Existence of Stoneley-waves, and Some Related Problems," XVII, 1 (1939), 1-8 (金井 清)
 101. "Damping of Periodic Visco-Elastic Waves with Increase in Focal Distance. II," XVII, 1 (1939), 9-26 (金井 清).
 102. "A Contribution to the Tidal Theory of the Origin of the Solar Planets," XVII, 1 (1939), 27-36. (金井 清).
 103. "The Requisite Condition for Rayleigh-waves for Transmission through an Inner Stratum of the Earth," XVII, 2 (1939), 179-189. (金井 清)
 104. "Microseisms Caused by Transmission of Atmospheric Disturbances. I," XVII, 2 (1939), 190-207. (金井 清).
 105. "On the Packet Velocity of Dispersive Elastic Waves of Irregular Form," XVII, 2 (1939), 208-232. (金井 清).
 106. "Temperature Distribution within the Earth in its Semi-gaseous State," XVII, 3 (1939), 525-538. (金井 清).
 107. "The Formation of Boundary Waves at the Surface of a Discontinuity within the Earth's Crust II," XVII, 3 (1939), 539-547. (金井 清).
 108. "Microseisms Caused by Transmission of Atmospheric Disturbances. II," XVII, 3 (1939), 548-558. (金井 清).
 109. "The Plasticity Conditions Requisite for the Formation of Normal and Reverse Faults," XVII, 4 (1939), 661-674
 110. "Temperature Distribution within Semi-gaseous Earth. Part II," XVII, 4 (1939), 675-684. (金井 清).
 111. "On Shallow Water Waves Transmitted in the Direction Parallel to a Sea Coast, with Special Reference to Love-waves in Heterogeneous Media," XVII, 4 (1939), 685-694. (金井 清).
 112. "Dispersive Rayleigh-waves of Positive or Negative Orbital Motion, and Allied Problems," XVIII, 1 (1940), 1-10. (金井 清)
 113. "The Plasticity Conditions for the Formation of Normal and Reverse Faults. II," XVIII, 1 (1940), 11-26. (金井 清).
 114. "Temperature Distribution within a Semi-gaseous Earth. Part III," XVIII, 1 (1940), 26-40. (金井 清).
 115. "The Effect of Distribution of Heat-generating Sources on the Temperature Gradient in the Earth's Crust," XVIII, 2 (1940), 137-149. (金井 清).
 116. "The Action of Soil Layers and of the Ocean as Dynamic Dampers to Seismic Surface Waves, and Notes on a Few Previous Papers," XVIII, 2 (1940), 150-168. (金井 清).
 117. "Viscosity Distribution within the Earth. Preliminary Notes," XVIII, 2 (1940), 169-177. (金井 清).
 118. "Dynamical Absorption of the Energy of Rayleigh-waves and Love-waves by Weak Surface Layers," XVIII, 3 (1940), 345-358. (金井 清).

119. "Thermodynamical Origin of the Earth's Core. I," XVIII, 3 (1940), 350-369. (金井 清).
120. "Effect of Distribution of Masses in a Rahmen Floor on Seismic Structural Vibration, and Model Experimental Confirmations of that Effect with a New Vibration Table," XVIII, 3 (1940), 370-383 (金井 清).
121. "A Fault Surface or a Block Absorbs Seismic Wave Energy," XVIII, 4 (1940), 465-482. (金井 清).
122. "On the Problem of Instabilities of Higher Orders in a Seismometer. I," XVIII, 4 (1940), 483-496. (金井 清).
123. "Thermodynamical Origin of the Earth's Core. II," XIX, 1 (1941), 1-8. (金井 清).
124. "On the Problem of Instabilities of Higher Orders in a Seismometer. II," XIX, 1 (1941), 9-13. (金井 清).
125. "Viscosity Distribution within the Earth. II. On the Shadow Zone for Seismic Waves," XIX, 1 (1941), 14-25. (金井 清).
126. "Transmission of Arbitrary Elastic Waves from a Spherical Source, Solved with Operational Calculus. I," XIX, 2 (1941), 151-161. (金井 清).
127. "On the Initial Movement of a Seismograph subjected to an Arbitrary Earthquake Motion, Solved with Operational Calculus. I," XIX, 2 (1941), 162-176. (金井 清).
128. "On the Problem of Instabilities of Higher Orders in a Seismometer. III. Experiments with a New Vertical Vibration Table," XIX, 2 (1941), 177-184. (金井 清).
129. "Transmission of Arbitrary Elastic Waves from a Spherical Source, Solved with Operational Calculus. II," XIX, 3 (1941), 417-442. (金井 清).
130. "On the Initial Movement of a Seismograph subjected to an Arbitrary Earthquake Motion, Solved with Operational Calculus. II," XIX, 3 (1941), 443-457. (金井 清).
131. "On the Propagation of Rayleigh-waves in Dispersive Elastic Media," XIX, 4 (1941), 549-553. (金井 清).
132. "Transmission of Arbitrary Elastic Waves from a Spherical Source, Solved with Operational Calculus. III," XX, 1 (1942), 1-19 (金井 清).
133. "水平及上下に同時に動く振動臺の製作," XX, 1 (1942), 220-224. (金井 清).
134. "地球の塑性状態に及ぼす重力及び冷却の働き (第3報)," XX, 2 (1942), 241-253. (金井 清)
135. "任意の深さの海に於ける津波の傳播について," XX, 2 (1942), 254-264 (金井 清).

東京帝國大學航空研究所雜錄に掲載の分

136. "航空船の抵抗と其方向安定度との關係," VI, (1924), 32-34.
137. "摩擦及落差合成抵抗の比較法, 附. 表面粗密度に依る摩擦抵抗修正法," VI, (1924), 35-38.
138. "金屬固定翼板の自由振動," VI, (1924), 39-42.
139. "飛行機翼振動の實際研究に就て," VI, (1924), 43-45.
140. "木材の彈性率測定と模型構造試験に就て," VI, (1924), 46-47.
141. "流體摩擦抵抗の表面密度に依る修正法 (第二報)," VII, (1924), 21-25.

東京帝國大學航空研究所報告に掲載の分

142. "Some Problems of Shocks transmitted in Bars and in Plates," IV, 4, No. 45 (1928), 83-147.
143. "Stresses under Tension in a Plate with a Heterogeneous Insertion," VI, 2, No. 68 (1931), 25-43. (西村源六郎).
144. "On the Buckling under Edge Thrusts of a Rectangular Plate Clamped at four Edge," VI, 3, No. 69 (1931), 45-59.
145. "On the Lateral Vibration of a Rectangular Plate Clamped at four Edges," VI, 4, No. 70 (1931), 61-70.
146. "The Buckling of a Cylindrical Shell under Torsion," VI, 10, No. 76 (1931), 251-314. (久保 憲).
147. "Stresses in a Plate with a Flanged Circular Hole," VII, 3, No. 84 (1932), 65-114. (久保 憲).
148. "Measurements of the Solid Viscosities of Metals through the Flexural Vibrations of a Bar," VII, 8, No. 89 (1932), 195-231 (久保 憲).
149. "The Nature of the Torsion-Aileron Flutter of a Wing as Revealed by Analytical Experiments," XI, 4, No. 136 (1936), 105-161. (久保 憲).
150. "The Nature of the Deflection-Aileron Flutter of a Wing as Revealed through its Vibrational Frequencies," XI, 8, No. 140 (1936), 301-338. (久保 憲).
151. "Buckling of a Rectangular Plate with Four Clamped Edges Reexamined with an Improved Theory," XI, 11, No. 143 (1936), 407-418. (渡邊 亘).
152. "Vibration Phenomena in Ternary Wing Flutter," XII, 3, No. 147 (1937), 129-162. (久保 憲, 宮崎 洋).
153. "Coupled Wing-Fuselage Vibrations," XIII, 6, No. 160 (1938), 171-194. (渡邊 亘).
154. "Buckling of a Cage-form Cylinder under Axial Compression," XIII, 14, No. 168 (1938), 427-451. (村上正海).
155. "On the Frequency of Flexural Vibrations of a Rotating Propeller Blade," XIV, 10, No. 181 (1939), 325-361. (内田郁雄).
156. "Dynamical Stability of a Column under Periodic Longitudinal Forces," XV, 7, No. 193 (1940), 139-183. (内田郁雄).
157. "Some Experiments on the Forced Vibration of Varying Period," XV, 9, No. 195 (1940), 215-227. (渡邊 亘).
158. "Theory of the Vibration of a Body under Forces of Varying Periods," XVI, 2, No. 213 (1941), 47-94. (内田郁雄).

東京帝國大學航空研究所彙報に掲載の分

159. "棒に傳はる縦衝撃波(序報)," LII (1928), 358-366.
160. "梁及び板に傳はる衝撃の或問題," LIV (1929), 31-46.
161. "任意の衝撃によつて翼の自由振動が誘起される可能度に就いて," LXVII (1930), 156-161.
162. "固体粘性が抗壓材の振動に及ぼす影響," LXVII (1930), 162-166.
163. "翼桁に傳はる衝撃に就いて(續報)," LXXIV (1930), 395-403. (久保 憲).
164. "胴體及び尾部の聯成振動(序報)," LXXIV (1930), 404-408.
165. "減衰屈曲振動の方程式に就いて," LXXIV (1930), 409-416.

166. "飛行機の胴體及尾部の聯成振動," LXXXVII, (1931); 622-626.
167. "軸壓及材質摩擦を受ける車軸の限度速度," LXXXVII, (1931), 627-633.
168. "振りを受ける薄肉圓筒の安定," LXXXVIII (1931), 705-719. (岩野隆義, 小野輝雄, 清水物治, 久保 憲).
169. "胴體及び主翼の聯成振動(第1報) バファイティングの影響の數理," CXLV (1936), 568-574.
170. "胴體及び主翼の聯成振動(第2報) 機關の不衡力其他の影響の數理," CXLVIII (1936), 700-715. (渡邊 亘).
171. "翼フラッターの限界速度を高くする方法," CXLIX (1937), 1-4. (久保 憲, 宮崎 洋).
172. "胴體及び主翼の聯成振動(第3報) 弾性抵抗及び質量の分布の影響," CLI (1937), 107-111. (渡邊 亘).
173. "プロペラ翼のフラッター," CLIV (1937), 341-348.
174. "バファイティングに伴ふ尾翼振れの別の解釋," CLIV (1937), 349-354. (宮崎 洋).
175. "プロペラ翼の回転中に於ける屈曲振動數の正確なる算定法," CLVII (1937), 495-498.
176. "翼フラッターの防止に關する模型實驗(第一報)," CLX (1937), 680-685. (大塚 實).
177. "機體構造部分の自己振動數を靜力學的試驗の變位で表はさんとする試み," CLXV (1938), 262-264.
178. "彈性的片持翼の屈曲一振りフラッターの研究," CLXIX (1938), 478-495. (向井 照).
179. "彈性的片持翼の屈曲一振りフラッターの研究(第2報, 強制振動の模型實驗)," CLXX (1938), 572-580. (向井 照).
180. "模型彈性翼の三元フラッターに關する強制振動實驗," CLXXVIII (1939), 165-181. (西野吉次).
181. "彈性的片持翼の屈曲一振りフラッターの研究(第3報, 減衰力聯成の影響)," CLXXVIII (1939), 182-193. (内田郁雄).
182. "彈性的片持翼の屈曲一振りフラッターの研究(第4報, 強制振動の場合の數理的な研究)," CLXXX (1939), 246-251. (内田郁雄).
183. "翼の振り振動の減衰軸の測定," CLXXX (1939), 251-254. (渡邊 亘).
184. "翼のフラッターに關係のある複減衰係數の測定," CXCIV (1940), 359-363 (菅井榮松).

造船協會會報に掲載の分

185. "矩形板の應用," XXXIII (1923), 38-56.
186. "薄板の安定," XXXVIII (1926), 79-108.
187. "Formation of Deep-water Waves due to Subaqueous Shocks," XLIV (1929), 141-164.
188. "On the Buckling of a long Elastic Plate under edge Thrusts," XLVII (1931), 129-146. (西村源六郎).
189. "四邊を固定し周壓を受ける矩形板の振動及其安定," XLIX (1932), 87-93.
190. "機關室の位置と船體の振動との關係," LVII (1935), 103-113.
191. "船體振動の減衰力," LIX (1936), 99-120. (渡邊 亘).
192. "船體振動の流體力學的制振法," LXI (1937), 441-455. (渡邊 亘).
193. "The Vibration Damping of a Ship in her Moving State," LXIII (1938), 159-170. (渡邊 亘).
194. "Damping Resistances in Rolling, Pitching, and Vibration of a Ship in her Motion-ahead," LXIV (1939), 85-100.
195. "The Effect of Stiffness of Engine Beds on Ship Vibrations," LXIV (1939), 101-113.

(金井 清).

196. "The Effect of the Distribution of Damping Resistances in a Ship on her Vibration," LXVI (1940), 223-235.

昭和7年4月7日, 第2回工學會大會造船協會講演會に於て講演の分

197. "Vibrations of a Group of Turbine Blades," 1-10.

昭和7年8月, 應用力學聯合大會へ造船協會提出講演集に掲載の分

198. "鐵道車輛に於ける Rolling 及左右動の聯成動搖," 1-11.
 199. "軸壓及材質應變を受ける車軸の限界速度," 13-19.
 200. "發破の初期に於ける岩石のプラスチック弾性體的變形," 129-138.
 201. "薄肉圓筒を振る時の Buckling に就て," 139-149.

帝國學士院紀事に掲載の分

202. "Propagation of Rayleigh-waves in Two Dimensions," II, 7 (1926), 314-317.
 203. "Propagation of Rayleigh-waves on a Spherical Surface," II, 8 (1926), 379-382.
 204. "Propagation of Rayleigh-waves having a Certain Azimuthal Distribution of Displacements," IV, 6 (1928), 267-270.
 205. "The Tilting of Surface of a Semi-infinite Solid due to the Internal Nuclei of Strain," IV, 10 (1928), 600-602.
 206. "Generation of Rayleigh-waves from an Internal Source of Multiplet-type," V, 2 (1929), 75-77. (西村源六郎).
 207. "On the Buckling under Edge Thrusts of a Rectangular Plate Clamped at Four Edges," VII, 2 (1931), 48-51.
 208. "On the Lateral Vibration of a Rectangular Plate Clamped at Four Edges," VII, 2 (1931), 52-53.
 209. "Discontinuity in Dispersion Curves of Rayleigh-Waves," XI, 1 (1935), 13-14. (金井 清).
 210. "M_s Seismic Waves," XI, 3 (1935), 96-98. (金井 清).
 211. "Decay in the Seismic Vibrations of a Structure by Dissipation of their Energy into the Ground," XI, 5 (1935), 174-176. (金井 清).
 212. "Growth and Decay of Seiches in an Epicontinental Sea," XI, 5 (1935), 177-179.
 213. "A Method of Raising the Critical Speed for Wing Flutter," XII, 10 (1936), 335-337. (久保 憲, 宮崎 洋).
 214. "Anomalous Dispersion of Rayleigh-waves," XIV, 7 (1938), 246-249. (金井 清).
 215. "On the Phenomena of Instability in Undamped Quasi-harmonic Vibration. Part I," XIX, 10 (1943), 646-652. (内田郁雄).

機械學會誌に掲載の分

216. "Spherical Problems of Elasticity solved in Polar Co-ordinates, with Applications," XXXI, 136 (1928), 625-634. (宮崎武平).

東京帝國大學工學部紀要に掲載の分

217. "Stresses in Country Rock around a Vertical or an Inclined Circular Shaft," XX, 5 (1932), 115-132. (杉原武徳).

World Engineering Congress. Tokyo, 1929 の分

218. "Wave Resistance of a Submerged Body in a Shallow Sea," Paper No. 610, 1-9.

日本學術協會報告. 帝國學士院受賞者講演錄(昭和6年)に掲載の分

219. "地震波の生成傳播其他に關する理論的研究," 1-17.

日本學術振興會舊第14小(耐震構造)委員會報告に掲載の分

220. "構造物ノ震動勢力逸散性及ビ震動制振法ノ研究," I (1937), 45-59.
 221. "筋違其他カ構造物ノ耐震性ニ及ボス效果ノ效果," II, (1942), 43-54.

科學に掲載の分

222. "強度に直接關係なき機械的振動の防止に就て," II, 11 (1932), 452.
 223. "翼フラッター振動數の不連續變化," VI, 5 (1936), 190-191. (久保 憲).
 224. "飛行機の振動特に翼フラッターの研究," VI, 7 (1936), 285-288. (久保 憲).
 225. "地殻を水平に押す力," VIII, 3 (1938), 94.
 226. "船體振動の力學的減衰力," VIII, 3 (1938), 95.

應用物理に掲載の分

227. "棒の屈曲振動による固體粘性の測定," I, 3 (1932), 1-8. (久保 憲).

Engineering に掲載の分

228. "The Stress on Rectangular Plates," CXVI, 3006 (1923), 188-191.
 229. "The Effect of Local Heterogeneity on the Stress Distribution in Solids," June 30, (1933), 1-2.

Zeitschrift für angewandte Mathematik und Mechanik に掲載の分

230. "Das Ausknicken von allseitig befestigten und gedrückten rechteckigen Platten," XII, 4 (1932), 227-229.
 231. "Die Wirkung des Enddruckes auf die Biegungsschwingung eines Stabes mit innerer Dämpfung," XII, 5 (1932), 275-279.

Nature に掲載の分

232. "Viscous Damping of Vibrating Metal Bars," CXXXI (1933), 803.

Philosophical Magazine に掲載の分

233. "Vibrations of Turbine Blades with Shrouding," Ser. 7, XVI (1933), 164-174.

Journal of the Royal Aeronautical Society に掲載の分

234. "The Nature of the Torsional Stability of a Monocoque Fuselage," XXXVII (1933), 411-422.

Journal of the Aeronautical Sciences に掲載の分

235. "The Nature of Wing Flutter as Revealed through its Vibrational Frequencies," IV, 1 (1936), 30-34.

Proceedings of the 3rd International Congress for Applied Mechanics (Stockholm, 1930) に掲載の分

236. "On the Accumulation of Energy of High-frequency Vibrations of an Elastic Plate on its Surfaces," III (1930), 167-172.

Union Géodésique et Géophysique. Internationale Association de Seismologie. Publications du Bureau Central. Série A, No. 10 (1934), に掲載の分

237. "The Solid Viscosities of the Earth's Core," 1-2.
 238. "The Acceleration of Movements due to Near Earthquakes," 3-4.

239. "The Reflection and the Refraction of Seismic-waves in a Stratified Body," 5-6.
 240. "The Possibility and the Existence of Love-waves in Seismic Disturbances," 7.

振動學 下

昭和七年十二月十日 第一刷發行
昭和二十四年九月十五日 第六刷發行

定價四百八拾圓



著者 妹 澤 克 惟

東京都千代田區神田一ツ橋二丁目三番地
發行者 岩波雄二郎

東京都千代田區神田一ツ橋二丁目九番地
印刷者 加藤廣太郎

發行所 東京都千代田區 株式 岩波書店
神田一ツ橋二ノ三 會社
會員番號A109004號

落丁本・亂丁本はお取替いたします

加藤寫眞印刷・青木製本