

- 河水速力計算表 宮城嶋庄吉氏ヨリ河水ノ速力ヲ計算スルニ便利ナル一表ヲ送ラレタルニ付卷末別紙ニ登錄シタレハ就テ見ルベシ
- 改姓 本會准員内藤湛徳君ハ此度其姓ヲ蠅川ト改メラレタル由
- 杉村君演説 本年二月十四日本會通常會ニ於テ杉村次郎君ノ演説セラレタル日本鑛産ノ統計并重要鑛種論ハ故アリテ本會々誌ニハ掲載セサルニ付會員諸君之ヲ諒セヨ

Bazin's Formula reduced to our measure is

$$\frac{RS}{V^2} = 0.0008484 \left(1 + \frac{4.125}{R} \right)$$

when R = hydraulic mean depth,

S = slope,

V = the mean velocity ;

or in another form

$$V = C (RS)^{\frac{1}{2}}$$

in which the values of C I calculated as follows :—

R	C	R	C	R	C
0.05	11.88	3.2	71.76	6.8	85.65
0.1	16.70	3.3	72.38	6.9	85.89
0.15	20.34	3.4	72.98	7.0	86.12
0.2	23.35	3.5	73.56	7.1	86.35
0.25	25.95	3.6	74.11	7.2	86.57
0.3	28.27	3.7	74.66	7.3	86.78
0.35	30.36	3.8	75.18	7.4	87.00
0.4	32.28	3.9	75.69	7.5	87.20
0.45	34.05	4.0	76.18	7.6	87.41
0.5	35.70	4.1	76.65	7.7	87.61
0.6	38.69	4.2	77.11	7.8	87.81
0.7	41.35	4.3	77.56	7.9	88.00
0.8	43.76	4.4	78.00	8.0	88.19
0.9	45.95	4.5	78.42	8.1	88.37
1.0	47.96	4.6	78.83	8.2	88.56
1.1	49.81	4.7	79.23	8.3	88.73
1.2	51.54	4.8	79.62	8.4	88.91
1.3	53.15	4.9	80.00	8.5	89.08
1.4	54.65	5.0	80.37	8.6	89.25
1.5	56.06	5.1	80.72	8.7	89.42
1.6	57.40	5.2	81.07	8.8	89.58
1.7	58.65	5.3	81.41	8.9	89.74
1.8	59.84	5.4	81.75	9.0	89.90
1.9	60.97	5.5	82.07	9.1	90.06
2.0	62.04	5.6	82.39	9.2	90.21
2.1	63.06	5.7	82.69	9.3	90.36
2.2	64.03	5.8	82.99	9.4	90.51
2.3	64.96	5.9	83.29	9.5	90.66
2.4	65.84	6.0	83.58	9.6	90.80
2.5	66.69	6.1	83.86	9.7	90.94
2.6	67.51	6.2	84.13	9.8	91.08
2.7	68.29	6.3	84.40	9.9	91.22
2.8	69.04	6.4	84.66	10.0	91.35
2.9	69.76	6.5	84.92		
3.0	70.45	6.6	85.17	10.25	91.68
3.1	71.12	6.7	85.41	10.5	91.99
10.75	92.29	14.25	95.61		
11.0	92.59	14.5	95.79		
11.25	92.87	14.75	95.97		
11.50	93.14	15.0	96.15		
11.75	93.40	15.5	96.49		
12.0	93.66	16.0	96.80		
12.25	93.90	16.5	97.11		
12.5	94.14	17.0	97.39		
12.75	94.37	17.5	97.67		
13.0	94.59	18.0	97.93		
13.25	94.81	18.5	98.17		
13.5	95.02	19.0	98.41		
13.75	95.22	19.5	98.64		
14.0	95.42	20.0	98.85		

N. B.—The Formula fails when the hydraulic radius exceeds the number 20