



軸方向壓縮力と曲げモーメントを受ける

鉄筋コンクリート矩形断面の應力度算定

係数表 (二)

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§ 3 應力度算定係数表

§ 2. (A) に於て記した、(a), (b), (c) 及び (d) 式に於て、 $\lambda=0.4$ と置き、 $p'=0\sim 1.0$ に對する p と k_1 , k_2 及び p と k_1 , k_2 との夫々の關係を求めれば表—1 の如くなる。

又、§ 2 (B) に於て記した、(e), (f) 及び (g) 式に於て、 $\beta=0.15$ と置き、 $p'=0\sim 1.0$ に對する p と k_1 , α_0 及び α_0 との夫々の關係を求めれば表—2 の如くなる。

| P % | p'=0 | | | | p'=0.2 p | | | |
|--------|----------------|----------------|------------------|------------------|----------------|----------------|------------------|------------------|
| | k ₁ | k ₂ | k ₁ ' | k ₂ ' | k ₁ | k ₂ | k ₁ ' | k ₂ ' |
| 0.1 | 1.014 | 5.93 | 0.967 | 5.84 | 1.007 | 5.90 | 0.970 | 5.83 |
| 0.2 | 1.026 | 5.87 | 0.936 | 5.69 | 1.013 | 5.81 | 0.941 | 5.67 |
| 0.3 | 1.039 | 5.81 | 0.906 | 5.55 | 1.018 | 5.72 | 0.914 | 5.51 |
| 0.4 | 1.050 | 5.76 | 0.878 | 5.42 | 1.023 | 5.64 | 0.889 | 5.37 |
| 0.5 | 1.061 | 5.71 | 0.852 | 5.29 | 1.027 | 5.56 | 0.864 | 5.23 |
| 0.6 | 1.071 | 5.66 | 0.826 | 5.17 | 1.031 | 5.48 | 0.841 | 5.10 |
| 0.7 | 1.081 | 5.61 | 0.802 | 5.05 | 1.034 | 5.41 | 0.820 | 4.98 |
| 0.8 | 1.091 | 5.56 | 0.780 | 4.94 | 1.037 | 5.34 | 0.799 | 4.86 |
| 0.9 | 1.100 | 5.52 | 0.758 | 4.84 | 1.039 | 5.27 | 0.779 | 4.75 |
| 1.0 | 1.108 | 5.48 | 0.737 | 4.74 | 1.041 | 5.20 | 0.760 | 4.64 |
| 1.1 | 1.116 | 5.44 | 0.717 | 4.64 | 1.043 | 5.14 | 0.742 | 4.54 |
| 1.2 | 1.124 | 5.40 | 0.698 | 4.55 | 1.045 | 5.08 | 0.725 | 4.44 |
| 1.3 | 1.132 | 5.37 | 0.680 | 4.46 | 1.046 | 5.02 | 0.709 | 4.34 |
| 1.4 | 1.139 | 5.33 | 0.662 | 4.38 | 1.047 | 4.96 | 0.693 | 4.25 |
| 1.5 | 1.146 | 5.30 | 0.645 | 4.30 | 1.047 | 4.91 | 0.678 | 4.17 |
| 1.6 | 1.153 | 5.27 | 0.629 | 4.22 | 1.047 | 4.85 | 0.663 | 4.09 |
| 1.7 | 1.159 | 5.24 | 0.614 | 4.15 | 1.048 | 4.80 | 0.650 | 4.01 |
| 1.8 | 1.165 | 5.21 | 0.599 | 4.07 | 1.048 | 4.75 | 0.636 | 3.94 |
| 1.9 | 1.171 | 5.18 | 0.585 | 4.01 | 1.047 | 4.70 | 0.623 | 3.86 |
| 2.0 | 1.177 | 5.15 | 0.571 | 3.94 | 1.047 | 4.66 | 0.611 | 3.79 |
| 2.2 | 1.188 | 5.10 | 0.545 | 3.81 | 1.046 | 4.57 | 0.588 | 3.65 |
| 2.4 | 1.198 | 5.05 | 0.520 | 3.70 | 1.044 | 4.48 | 0.566 | 3.53 |
| 2.6 | 1.207 | 5.01 | 0.498 | 3.59 | 1.041 | 4.40 | 0.546 | 3.41 |
| 2.8 | 1.216 | 4.96 | 0.476 | 3.49 | 1.039 | 4.33 | 0.527 | 3.30 |
| 3.0 | 1.224 | 4.93 | 0.456 | 3.39 | 1.035 | 4.25 | 0.509 | 3.20 |

| p % | $p' = 0.4 p$ | | | | $p' = 0.6 p$ | | | |
|--------|--------------|-------|--------|--------|--------------|-------|--------|--------|
| | k_1 | k_2 | k_1' | k_2' | k_1 | k_2 | k_1' | k_2' |
| 0.1 | 1.000 | 5.87 | 0.972 | 5.82 | 0.993 | 5.84 | 0.975 | 5.80 |
| 0.2 | 1.000 | 5.75 | 0.946 | 5.64 | 0.987 | 5.69 | 0.952 | 5.62 |
| 0.3 | 0.999 | 5.63 | 0.922 | 5.48 | 0.980 | 5.53 | 0.929 | 5.44 |
| 0.4 | 0.997 | 5.52 | 0.899 | 5.32 | 0.972 | 5.41 | 0.908 | 5.28 |
| 0.5 | 0.995 | 5.42 | 0.877 | 5.18 | 0.965 | 5.28 | 0.888 | 5.13 |
| 0.6 | 0.993 | 5.31 | 0.856 | 5.04 | 0.958 | 5.16 | 0.869 | 4.98 |
| 0.7 | 0.991 | 5.22 | 0.836 | 4.91 | 0.950 | 5.04 | 0.850 | 4.84 |
| 0.8 | 0.988 | 5.13 | 0.817 | 4.78 | 0.942 | 4.93 | 0.833 | 4.71 |
| 0.9 | 0.985 | 5.04 | 0.799 | 4.66 | 0.935 | 4.83 | 0.816 | 4.59 |
| 1.0 | 0.981 | 4.95 | 0.781 | 4.55 | 0.927 | 4.73 | 0.800 | 4.47 |
| 1.1 | 0.978 | 4.87 | 0.765 | 4.44 | 0.920 | 4.63 | 0.785 | 4.36 |
| 1.2 | 0.974 | 4.79 | 0.749 | 4.34 | 0.912 | 4.54 | 0.770 | 4.25 |
| 1.3 | 0.970 | 4.72 | 0.734 | 4.24 | 0.904 | 4.45 | 0.756 | 4.15 |
| 1.4 | 0.967 | 4.64 | 0.720 | 4.15 | 0.897 | 4.36 | 0.743 | 4.06 |
| 1.5 | 0.962 | 4.57 | 0.706 | 4.06 | 0.889 | 4.28 | 0.730 | 3.96 |
| 1.6 | 0.958 | 4.50 | 0.692 | 3.97 | 0.882 | 4.20 | 0.717 | 3.88 |
| 1.7 | 0.954 | 4.44 | 0.680 | 3.89 | 0.874 | 4.13 | 0.705 | 3.79 |
| 1.8 | 0.950 | 4.38 | 0.667 | 3.81 | 0.867 | 4.06 | 0.693 | 3.71 |
| 1.9 | 0.945 | 4.31 | 0.655 | 3.73 | 0.860 | 3.99 | 0.682 | 3.63 |
| 2.0 | 0.941 | 4.25 | 0.644 | 3.66 | 0.853 | 3.92 | 0.671 | 3.56 |
| 2.2 | 0.932 | 4.14 | 0.622 | 3.52 | 0.838 | 3.79 | 0.651 | 3.42 |
| 2.4 | 0.922 | 4.03 | 0.602 | 3.39 | 0.824 | 3.67 | 0.631 | 3.29 |
| 2.6 | 0.913 | 3.93 | 0.583 | 3.27 | 0.811 | 3.56 | 0.613 | 3.17 |
| 2.8 | 0.904 | 3.84 | 0.566 | 3.16 | 0.798 | 3.46 | 0.596 | 3.03 |
| 3.0 | 0.894 | 3.75 | 0.549 | 3.06 | 0.785 | 3.36 | 0.580 | 2.95 |

| p % | $p' = 0.8 p$ | | | | $p' = p$ | |
|--------|--------------|-------|--------|--------|-------------|---------------|
| | k_1 | k_2 | k_1' | k_2' | $k_1 = k_2$ | $k_1' = k_2'$ |
| 0.1 | 0.987 | 5.81 | 0.978 | 5.79 | 0.980 | 5.78 |
| 0.2 | 0.974 | 5.63 | 0.957 | 5.59 | 0.962 | 5.57 |
| 0.3 | 0.961 | 5.46 | 0.936 | 5.41 | 0.943 | 5.38 |
| 0.4 | 0.949 | 5.30 | 0.917 | 5.24 | 0.926 | 5.20 |
| 0.5 | 0.936 | 5.15 | 0.899 | 5.08 | 0.909 | 5.03 |
| 0.6 | 0.924 | 5.01 | 0.881 | 4.93 | 0.893 | 4.88 |
| 0.7 | 0.912 | 4.88 | 0.864 | 4.78 | 0.877 | 4.73 |
| 0.8 | 0.901 | 4.75 | 0.848 | 4.65 | 0.862 | 4.59 |
| 0.9 | 0.889 | 4.64 | 0.833 | 4.52 | 0.847 | 4.46 |
| 1.0 | 0.878 | 4.52 | 0.818 | 4.40 | 0.833 | 4.34 |
| 1.1 | 0.867 | 4.41 | 0.803 | 4.29 | 0.820 | 4.22 |
| 1.2 | 0.856 | 4.31 | 0.789 | 4.18 | 0.806 | 4.11 |
| 1.3 | 0.846 | 4.21 | 0.776 | 4.07 | 0.794 | 4.00 |
| 1.4 | 0.836 | 4.12 | 0.763 | 3.97 | 0.781 | 3.90 |
| 1.5 | 0.825 | 4.03 | 0.751 | 3.88 | 0.769 | 3.81 |
| 1.6 | 0.816 | 3.94 | 0.739 | 3.79 | 0.758 | 3.72 |
| 1.7 | 0.806 | 3.86 | 0.727 | 3.70 | 0.746 | 3.63 |
| 1.8 | 0.796 | 3.78 | 0.716 | 3.62 | 0.735 | 3.55 |
| 1.9 | 0.787 | 3.71 | 0.705 | 3.54 | 0.725 | 3.47 |
| 2.0 | 0.778 | 3.64 | 0.694 | 3.47 | 0.714 | 3.39 |
| 2.2 | 0.760 | 3.50 | 0.674 | 3.33 | 0.694 | 3.25 |
| 2.4 | 0.744 | 3.37 | 0.655 | 3.20 | 0.676 | 3.12 |
| 2.6 | 0.727 | 3.26 | 0.638 | 3.08 | 0.658 | 3.00 |
| 2.8 | 0.712 | 3.15 | 0.621 | 2.95 | 0.641 | 2.89 |
| 3.0 | 0.697 | 3.04 | 0.605 | 2.86 | 0.625 | 2.79 |