ERRATA

MASSEY, C., and VAN DER MEER, A. T., "Stability of Non-prismatic Cantilever Columns Under Tangential Loading," published in March, 1971, issue of the JOURNAL OF APPLIED MECHANICS, pp. 269–271.

More recent work has demonstrated that the lowest critical load for the columns considered in our Brief Note occurs with a distorted shape as shown in Fig. 1(b), not as shown in Fig. 1(a) which was the initial assumption. The relation between R and Q for this distortion is of the general form plotted in Fig. 2 which clearly shows the lowest critical value of Q, i.e., where $dQ/dR = 0$, without the necessity for a log plot. For $\alpha = 0$, the value of Q_{cr} is now $2.04\pi^2$ which agrees very well with the value obtained by Ziegler. The values for Tables 1 and 2 of the Note have been recalculated.

Table 1 Values of α and Q_{cr} for a tapered column

α	Q_{cr}
0.0	20.1
0.1	21.2
0.2	22.3
0.3	23.4
0.4	24.5
0.5	25.6
0.6	26.7
0.7	27.8
0.8	29.0
0.9	30.1
1.0	31.2
1.1	32.4

Table 2 Values of δ and Q_{cr} for $\gamma = 2.0$ for a stepped column

δ	Q_{cr}
0.05	40.2
0.25	38.1
0.35	32.5
0.50	24.6
0.65	20.8
0.75	20.1
0.95	20.1
1.00	20.1

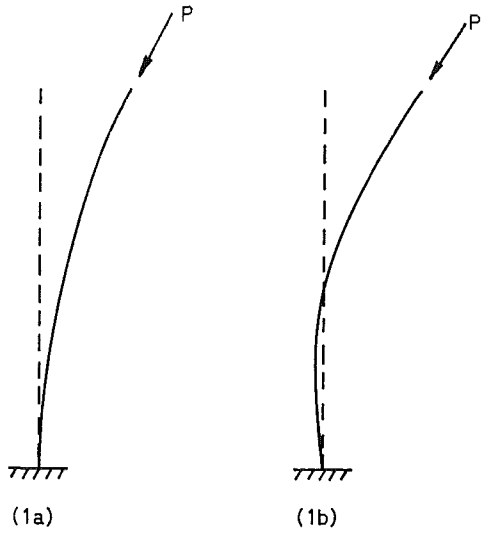

Fig. 1 Deflected shape of column

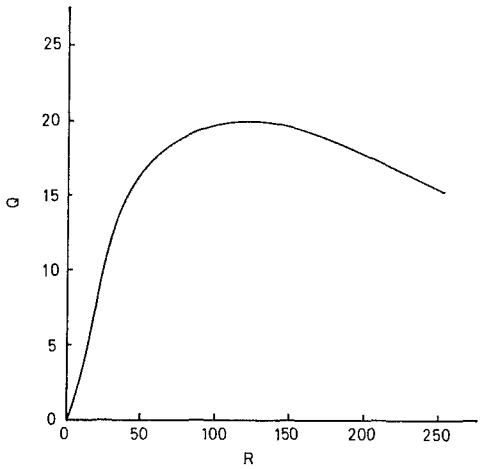

Fig. 2 Relation between Q and R for a uniform column