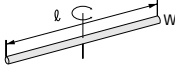
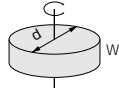
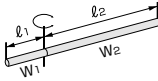
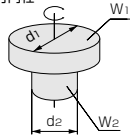
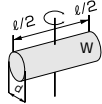
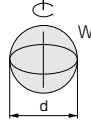
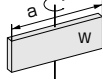
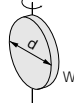
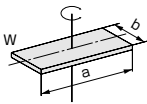
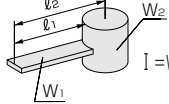
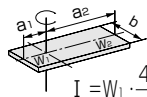


慣性モーメントの算出

I : 慣性モーメント

W : 質量

No.	形状	慣性モーメント	回転半径	No.	形状	慣性モーメント	回転半径
1	細い棒 	$I = W \cdot \frac{l^2}{12}$	$K^2 = \frac{l^2}{12}$	7	円柱 (薄い円盤を含む) 	$I = W \cdot \frac{d^2}{8}$	$K^2 = \frac{d^2}{8}$
2	細い棒 	$I = W_1 \cdot \frac{l_1^2}{3} + W_2 \cdot \frac{l_2^2}{3}$	$K^2 = \frac{l_1^2}{3} + \frac{l_2^2}{3}$	8	段付円柱 	$I = W_1 \cdot \frac{d_1^2}{8} + W_2 \cdot \frac{d_2^2}{8}$	$K^2 = \frac{d_1^2}{8} + \frac{d_2^2}{8}$
3	太い棒 	$I = W \left(\frac{l^2}{12} + \frac{d^2}{16} \right)$	$K^2 = \frac{l^2}{12} + \frac{d^2}{16}$	9	球 	$I = W \cdot \frac{d^2}{10}$	$K^2 = \frac{d^2}{10}$
4	薄い長方形板 (直方体) 	$I = W \cdot \frac{a^2}{12}$	$K^2 = \frac{a^2}{12}$	10	薄い円盤 	$I = W \cdot \frac{d^2}{16}$	$K^2 = \frac{d^2}{16}$
5	長方形板 (直方体) 	$I = W \cdot \frac{a^2 + b^2}{12}$	$K^2 = \frac{a^2 + b^2}{12}$	11	棒の先端に集中荷重のある場合 	$I = W_1 \cdot \frac{l_1^2}{3} + W_2 \cdot K^2 + W_2 \cdot l_2^2$	W ₂ の形状により算出する。
6	長方形板 (直方体) 	$I = W_1 \cdot \frac{4a_1^2 + b^2}{12} + W_2 \cdot \frac{4a_2^2 + b^2}{12}$	$K^2 = \frac{4a_1^2 + b^2}{12} + \frac{4a_2^2 + b^2}{12}$				