

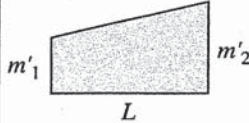
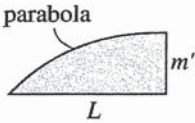
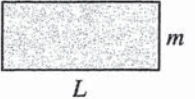

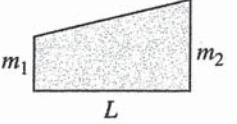
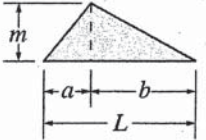
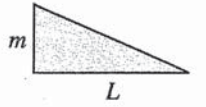


Table for Evaluating $\int_0^L m m' dx$

$\int_0^L m m' dx$				
	$mm'L$	$\frac{1}{2}mm'L$	$\frac{1}{2}m(m'_1 + m'_2)L$	$\frac{2}{3}mm'L$
	$\frac{1}{2}mm'L$	$\frac{1}{3}mm'L$	$\frac{1}{6}m(m'_1 + 2m'_2)L$	$\frac{5}{12}mm'L$
	$\frac{1}{2}m'(m_1 + m_2)L$	$\frac{1}{6}m'(m_1 + 2m_2)L$	$\frac{1}{6}[m'_1(2m_1 + m_2) + m'_2(m_1 + 2m_2)]L$	$\frac{1}{12}[m'(3m_1 + 5m_2)]L$
	$\frac{1}{2}mm'L$	$\frac{1}{6}mm'(L + a)$	$\frac{1}{6}m[m'_1(L + b) + m'_2(L + a)]$	$\frac{1}{12}mm'\left(3 + \frac{3a}{L} - \frac{a^2}{L^2}\right)L$
	$\frac{1}{2}mm'L$	$\frac{1}{6}mm'L$	$\frac{1}{6}m(2m'_1 + m'_2)L$	$\frac{1}{4}mm'L$

$m M l$	$\frac{1}{2} m (M_l + M_r) l$	$\frac{1}{2} m (M_l - M_r) l$	0	$\frac{1}{2} m M l$	$\frac{1}{2} m M l$	$\frac{1}{2} m M l$	$\frac{1}{2} m M l$	$\frac{1}{2} m M l$	$\frac{1}{3} m M l$	$\frac{2}{3} m M l$	$\frac{2}{3} m M l$	
	$\frac{1}{2} (m_l + m_r) M l$	$\frac{1}{6} \left[\frac{m_l (2M_l + M_r)}{+m_r (M_l + 2M_r)} \right] l$	$\frac{1}{6} \left[\frac{m_l (2M_l - M_r)}{+m_r (M_l - 2M_r)} \right] l$	$\frac{1}{6} (m_l - m_r) M l$	$\frac{1}{6} (2m_l + m_r) M l$	$\frac{1}{6} M (m_l + 2m_r) l$	$\frac{1}{6} \left[\frac{m_l \left(1 + \frac{d}{l}\right)}{+m_r \left(1 + \frac{c}{l}\right)} \right] M l$	$\frac{1}{4} (m_l + m_r) M l$	$\frac{1}{12} (3m_l + m_r) M l$	$\frac{1}{3} (m_l + m_r) M l$	$\frac{1}{12} (5m_l + 3m_r) M l$	
	$\frac{1}{2} (m_l - m_r) M l$	$\frac{1}{6} \left[\frac{m_l (2M_l + M_r)}{-m_r (M_l + 2M_r)} \right] l$	$\frac{1}{6} \left[\frac{m_l (2M_l - M_r)}{-m_r (M_l - 2M_r)} \right] l$	$\frac{1}{6} (m_l + m_r) M l$	$\frac{1}{6} (2m_l - m_r) M l$	$\frac{1}{6} (m_l - 2m_r) M l$	$\frac{1}{6} \left[\frac{m_l \left(1 + \frac{d}{l}\right)}{-m_r \left(1 + \frac{c}{l}\right)} \right] M l$	$\frac{1}{4} (m_l - m_r) M l$	$\frac{1}{12} (3m_l - m_r) M l$	$\frac{1}{3} (m_l - m_r) M l$	$\frac{1}{12} (5m_l - 3m_r) M l$	
	0	$\frac{1}{6} m (M_l - M_r) l$	$\frac{1}{6} m (M_l + M_r) l$	$\frac{1}{3} m M l$	$\frac{1}{6} m M l$	$-\frac{1}{6} m M l$	$\frac{1}{6} m \left(1 - \frac{2c}{l}\right) M l$	0	$\frac{1}{6} m M l$	0	$\frac{1}{6} m M l$	
	$\frac{1}{2} m M l$	$\frac{1}{6} m (2M_l + M_r) l$	$\frac{1}{6} m (2M_l - M_r) l$	$\frac{1}{6} m M l$	$\frac{1}{3} m M l$	$\frac{1}{6} m M l$	$\frac{1}{6} m \left(1 + \frac{d}{l}\right) M l$	$\frac{1}{4} m M l$	$\frac{1}{4} m M l$	$\frac{1}{3} m M l$	$\frac{5}{12} m M l$	
	$\frac{1}{2} m M l$	$\frac{1}{6} m (M_l + 2M_r) l$	$\frac{1}{6} m (M_l - 2M_r) l$	$-\frac{1}{6} m M l$	$\frac{1}{6} m M l$	$\frac{1}{3} m M l$	$\frac{1}{6} m \left(1 + \frac{c}{l}\right) M l$	$\frac{1}{4} m M l$	$\frac{1}{12} m M l$	$\frac{1}{3} m M l$	$\frac{1}{4} m M l$	
	$\frac{1}{2} m M l$	$\frac{1}{6} \left[\frac{M_l \left(1 + \frac{b}{l}\right)}{+M_r \left(1 + \frac{a}{l}\right)} \right] l$	$\frac{1}{6} \left[\frac{M_l \left(1 + \frac{b}{l}\right)}{-M_r \left(1 + \frac{a}{l}\right)} \right] l$	$\frac{1}{6} \left(1 - \frac{2a}{l}\right) m M l$	$\frac{1}{6} \left(1 + \frac{b}{l}\right) m M l$	$\frac{1}{6} m \left(1 + \frac{a}{l}\right) M l$	$\frac{l^2 - a^2 - c^2}{6bc} m M l$ only for $a < c$	$\frac{3l^2 - 4a^2}{12bl} m M l$	$\frac{1}{12} m \left(1 + \frac{b}{l} + \frac{b^2}{l^2}\right) M l$	$\frac{1}{3} \left(1 + \frac{ab}{l^2}\right) m M l$	$\frac{1}{12} m \left(5 - \frac{a}{l} - \frac{a^2}{l^2}\right) M l$	
	$\frac{1}{2} m M l$	$\frac{1}{4} m (M_l + M_r) l$	$\frac{1}{4} m (M_l - M_r) l$	0	$\frac{1}{4} m M l$	$\frac{1}{4} m M l$	$\frac{3l^2 - 4c^2}{12dl} m M l$	$\frac{1}{3} m M l$	$\frac{7}{48} m M l$	$\frac{5}{12} m M l$	$\frac{17}{48} m M l$	
	$\frac{1}{3} m M l$	$\frac{1}{12} m (3M_l + M_r) l$	$\frac{1}{12} m (3M_l - M_r) l$	$\frac{1}{6} m M l$	$\frac{1}{4} m M l$	$\frac{1}{12} m M l$	$\frac{1}{12} m \left(1 + \frac{d}{l} + \frac{d^2}{l^2}\right) M l$	$\frac{7}{48} m M l$	$\frac{1}{5} m M l$	$\frac{1}{5} m M l$	$\frac{3}{10} m M l$	
	$\frac{1}{3} m M l$	$\frac{1}{12} m (M_l + 3M_r) l$	$\frac{1}{12} m (M_l - 3M_r) l$	$-\frac{1}{6} m M l$	$\frac{1}{12} m M l$	$\frac{1}{4} m M l$	$\frac{1}{12} m \left(1 + \frac{c}{l} + \frac{c^2}{l^2}\right) M l$	$\frac{7}{48} m M l$	$\frac{1}{30} m M l$	$\frac{1}{5} m M l$	$\frac{2}{15} m M l$	
	$\frac{2}{3} m M l$	$\frac{1}{3} m (M_l + M_r) l$	$\frac{1}{3} m (M_l - M_r) l$	0	$\frac{1}{3} m M l$	$\frac{1}{3} m M l$	$\frac{1}{3} m \left(1 + \frac{cd}{l^2}\right) M l$	$\frac{5}{12} m M l$	$\frac{1}{5} m M l$	$\frac{8}{15} m M l$	$\frac{7}{15} m M l$	
	$\frac{2}{3} m M l$	$\frac{1}{12} m (5M_l + 3M_r) l$	$\frac{1}{12} m (5M_l - 3M_r) l$	$\frac{1}{6} m M l$	$\frac{5}{12} m M l$	$\frac{1}{4} m M l$	$\frac{1}{12} m \left(5 - \frac{c}{l} - \frac{c^2}{l^2}\right) M l$	$\frac{17}{48} m M l$	$\frac{3}{10} m M l$	$\frac{7}{15} m M l$	$\frac{8}{15} m M l$	
	$\frac{2}{3} m M l$	$\frac{1}{12} m (3M_l + 5M_r) l$	$\frac{1}{12} m (3M_l - 5M_r) l$	$-\frac{1}{6} m M l$	$\frac{1}{4} m M l$	$\frac{1}{4} m M l$	$\frac{1}{12} m \left(5 - \frac{d}{l} - \frac{d^2}{l^2}\right) M l$	$\frac{17}{48} m M l$	$\frac{2}{15} m M l$	$\frac{7}{15} m M l$	$\frac{11}{30} m M l$	