

Integrationstabelle

	M		M	M_1	M	M	$-\frac{M}{2}$
m	$1mM$	$\frac{1}{2}mM$	$\frac{1}{2}mM$	$\frac{1}{2}m(M_1 + M_r)$	0	$\frac{1}{4}mM$	$\frac{1}{4}mM$
	$\frac{1}{2}mM$	$\frac{1}{3}mM$	$\frac{1}{6}mM$	$\frac{1}{6}m(M_1 + 2M_r)$	$-\frac{1}{6}mM$	0	$\frac{1}{4}mM$
m	$\frac{1}{2}mM$	$\frac{1}{6}mM$	$\frac{1}{3}mM$	$\frac{1}{6}m(2M_1 + M_r)$	$\frac{1}{6}mM$	$\frac{1}{4}mM$	0
m_1	$\frac{1}{2}M(m_1 + m_r)$	$\frac{1}{6}M(m_1 + 2m_r)$	$\frac{1}{6}M(2m_1 + m_r)$	$\frac{1}{6}[m_1(2M_1 + M_r) + m_r(M_1 + 2M_r)]$	$\frac{1}{6}M(m_1 - m_r)$	$\frac{1}{4}m_1M$	$\frac{1}{4}m_rM$
m	0	$-\frac{1}{6}mM$	$\frac{1}{6}mM$	$\frac{1}{6}m(M_1 - M_r)$	$\frac{1}{3}mM$	$\frac{1}{4}mM$	$-\frac{1}{4}mM$
m	$\frac{1}{4}mM$	0	$\frac{1}{4}mM$	$\frac{1}{4}mM_1$	$\frac{1}{4}mM$	$\frac{1}{4}mM$	$-\frac{1}{8}mM$
$-\frac{m}{2}$	$\frac{1}{4}mM$	$\frac{1}{4}mM$	0	$\frac{1}{4}mM_r$	$-\frac{1}{4}mM$	$-\frac{1}{8}mM$	$\frac{1}{4}mM$
	$\frac{1}{2}mM$	$\frac{1}{4}mM$	$\frac{1}{4}mM$	$\frac{1}{4}m(M_1 + M_r)$	0	$\frac{1}{8}mM$	$\frac{1}{8}mM$
	$\frac{1}{2}mM$	$\frac{1}{6}mM\left(1 + \frac{a}{l}\right)$	$\frac{1}{6}mM\left(1 + \frac{b}{l}\right)$	$\frac{1}{6}m\left[M_1\left(1 + \frac{b}{l}\right) + M_r\left(1 + \frac{a}{l}\right)\right]$	$\frac{1}{6}mM\left(1 - 2\frac{a}{l}\right)$	$\frac{1}{4}mM\left(\frac{b}{l}\right)$	$\frac{1}{4}mM\left(\frac{a}{l}\right)$
	$\frac{2}{3}mM$	$\frac{1}{3}mM$	$\frac{1}{3}mM$	$\frac{1}{3}m(M_1 + M_r)$	0	$\frac{1}{6}mM$	$\frac{1}{6}mM$
m	$\frac{2}{3}mM$	$\frac{1}{4}mM$	$\frac{5}{12}mM$	$\frac{1}{12}m(5M_1 + 3M_r)$	$\frac{1}{6}mM$	$\frac{7}{24}mM$	$\frac{1}{24}mM$
	$\frac{2}{3}mM$	$\frac{5}{12}mM$	$\frac{1}{4}mM$	$\frac{1}{12}m(3M_1 + 5M_r)$	$-\frac{1}{6}mM$	$\frac{1}{24}mM$	$\frac{7}{24}mM$
	$\frac{1}{3}mM$	$\frac{1}{4}mM$	$\frac{1}{12}mM$	$\frac{1}{12}m(M_1 + 3M_r)$	$-\frac{1}{6}mM$	$-\frac{1}{24}mM$	$\frac{5}{24}mM$
m	$\frac{1}{3}mM$	$\frac{1}{12}mM$	$\frac{1}{4}mM$	$\frac{1}{12}m(3M_1 + M_r)$	$\frac{1}{6}mM$	$\frac{5}{24}mM$	$-\frac{1}{24}mM$

	$\frac{1}{2} mM$	$\frac{1}{2} mM$	$\frac{2}{3} mM$	$\frac{2}{3} mM$	$\frac{2}{3} mM$	$\frac{1}{3} mM$	$\frac{1}{3} mM$
	$\frac{1}{4} mM$	$\frac{1}{6} mM \left(1 + \frac{c}{l}\right)$	$\frac{1}{3} mM$	$\frac{1}{4} mM$	$\frac{5}{12} mM$	$\frac{1}{4} mM$	$\frac{1}{12} mM$
	$\frac{1}{4} mM$	$\frac{1}{6} mM \left(1 + \frac{d}{l}\right)$	$\frac{1}{3} mM$	$\frac{5}{12} mM$	$\frac{1}{4} mM$	$\frac{1}{12} mM$	$\frac{1}{4} mM$
	$\frac{1}{4} M (m_1 + m_r)$	$\frac{1}{6} M \left[m_1 \left(1 + \frac{d}{l}\right) + m_r \left(1 + \frac{c}{l}\right) \right]$	$\frac{1}{3} M (m_1 + m_r)$	$\frac{1}{12} M (5m_1 + 3m_r)$	$\frac{1}{12} M (3m_1 + 5m_r)$	$\frac{1}{12} M (m_1 + 3m_r)$	$\frac{1}{12} M (3m_1 + m_r)$
	0	$\frac{1}{6} mM \left(1 - 2\frac{c}{l}\right)$	0	$\frac{1}{6} mM$	$-\frac{1}{6} mM$	$-\frac{1}{6} mM$	$\frac{1}{6} mM$
	$\frac{1}{8} mM$	$\frac{1}{4} mM \left(\frac{d}{l}\right)$	$\frac{1}{6} mM$	$\frac{7}{24} mM$	$\frac{1}{24} mM$	$-\frac{1}{24} mM$	$\frac{5}{24} mM$
	$\frac{1}{8} mM$	$\frac{1}{4} mM \left(\frac{c}{l}\right)$	$\frac{1}{6} mM$	$\frac{1}{24} mM$	$\frac{7}{24} mM$	$\frac{5}{24} mM$	$-\frac{1}{24} mM$
	$\frac{1}{3} mM$	$\frac{mMl}{12d} \left(3 - 4\left(\frac{c}{l}\right)^2\right)$ für $c < l/2$	$\frac{5}{12} mM$	$\frac{17}{48} mM$	$\frac{17}{48} mM$	$\frac{7}{48} mM$	$\frac{7}{48} mM$
	$\frac{mMl}{12b} \left(3 - 4\left(\frac{a}{l}\right)^2\right)$ für $a < l/2$	$\frac{mMl^2}{6ad} \left(2\frac{a}{l} - \left(\frac{a}{l}\right)^2 - \left(\frac{c}{l}\right)^2\right)$ für $a > c$	$\frac{1}{3} mM \left(1 + \frac{ab}{l^2}\right)$	$\frac{1}{12} mM \left(5 - \frac{a}{l} - \left(\frac{a}{l}\right)^2\right)$	$\frac{1}{12} mM \left(5 - \frac{b}{l} - \left(\frac{b}{l}\right)^2\right)$	$\frac{1}{12} mM \left(1 + \frac{a}{l} + \left(\frac{a}{l}\right)^2\right)$	$\frac{1}{12} mM \left(1 + \frac{b}{l} + \left(\frac{b}{l}\right)^2\right)$
	$\frac{5}{12} mM$	$\frac{1}{3} mM \left(1 + \frac{cd}{l^2}\right)$	$\frac{8}{15} mM$	$\frac{7}{15} mM$	$\frac{7}{15} mM$	$\frac{1}{5} mM$	$\frac{1}{5} mM$
	$\frac{17}{48} mM$	$\frac{1}{12} mM \left(5 - \frac{c}{l} - \left(\frac{c}{l}\right)^2\right)$	$\frac{7}{15} mM$	$\frac{8}{15} mM$	$\frac{11}{30} mM$	$\frac{2}{15} mM$	$\frac{3}{10} mM$
	$\frac{17}{48} mM$	$\frac{1}{12} mM \left(5 - \frac{d}{l} - \left(\frac{d}{l}\right)^2\right)$	$\frac{7}{15} mM$	$\frac{11}{30} mM$	$\frac{8}{15} mM$	$\frac{3}{10} mM$	$\frac{2}{15} mM$
	$\frac{7}{48} mM$	$\frac{1}{12} mM \left(1 + \frac{c}{l} + \left(\frac{c}{l}\right)^2\right)$	$\frac{1}{5} mM$	$\frac{2}{15} mM$	$\frac{3}{10} mM$	$\frac{1}{5} mM$	$\frac{1}{30} mM$
	$\frac{7}{48} mM$	$\frac{1}{12} mM \left(1 + \frac{d}{l} + \left(\frac{d}{l}\right)^2\right)$	$\frac{1}{5} mM$	$\frac{3}{10} mM$	$\frac{2}{15} mM$	$\frac{1}{30} mM$	$\frac{1}{5} mM$