$$R_{1}(h/3) = \frac{3R_{0}(h/3) - R_{0}(h)}{2}$$

$$= \frac{1}{2} \left[\frac{2M}{2M} - K_{1}h + K_{1}h - K_{2}\frac{3h^{2}}{9} + K_{2}h^{2} - K_{3}\frac{3h^{3}}{24} + K_{3}h^{3} + \right]$$

$$= \frac{1}{2} \left[\frac{2M}{2M} + K_{1}(0) + K_{2}h^{2} \left(\frac{1 - 2}{9} \right) + K_{3}h^{3} \left(\frac{1 - \frac{2}{24}}{24} \right) + \cdots \right]$$

$$= \frac{1}{2} \left[\frac{2M}{2M} + \frac{2}{3}K_{2}h^{2} + \frac{8}{9}K_{3}h^{3} + \cdots \right]$$

$$= \frac{1}{2} \left[\frac{2M}{2M} + \frac{2}{3}K_{2}h^{2} + \frac{4}{9}K_{3}h^{3} + \cdots \right]$$

$$= \frac{1}{2} \left[\frac{2M}{2M} + \frac{2}{3}K_{2}h^{2} + \frac{4}{9}K_{3}h^{3} + \cdots \right]$$

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