$$A_{p} = pe^{\frac{1}{2}} - 2j\omega pe^{\frac{1}{2}} + paje^{\frac{1}{2}} - p\omega^{2}e^{\frac{1}{2}}$$

$$W = mg \quad F = \mu_{S} W = \mu_{S} mg \quad A = \frac{\mu_{S} mg}{m} = \mu_{S} g$$

$$A = paje^{\frac{1}{2}} - p\omega^{2}e^{\frac{1}{2}} - p\omega^{2}e^{\frac{1}{2}} - p\omega^{2}f$$

$$P = radius \quad (m)$$

$$\omega = ang, vel. \quad (rad/s)$$

$$\omega = ang, acc. \quad (rad/s^{2})$$

$$\omega = ang, acc. \quad (rad/s^{2})$$

$$\omega^{2} = a^{2}p^{2} + p^{2}\omega^{4}$$

$$\omega^{2}p^{2} = A^{2} - p^{2}\omega^{4}$$

$$\omega^{2}p^{2} = A^{2} - p^{2}\omega^{4}$$

$$\omega = \sqrt{p^{2}} - \omega^{4}$$

$$\omega = \sqrt{p^{2}} - \omega^{4}$$

$$\omega^{2}p^{2} = \omega^{4}$$

$$\omega$$

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