



































第 3 章动力特性
3 惯性力平衡

三列压缩机

$$\begin{bmatrix}
I_1 = m_s r\omega^2 \cos(\theta + 120) = m_s r\omega^2 (-\frac{1}{2}\cos\theta - \frac{\sqrt{3}}{2}\sin\theta) \\
I_2 = m_s r\omega^2 \lambda \cos(2\theta + 240) = m_s r\omega^2 \lambda (-\frac{1}{2}\cos2\theta + \frac{\sqrt{3}}{2}\sin2\theta) \\
I_r = m_r r\omega^2
\end{bmatrix}$$

$$\begin{bmatrix}
I_1 = m_s r\omega^2 \cos(\theta + 240) = m_s r\omega^2 (-\frac{1}{2}\cos\theta + \frac{\sqrt{3}}{2}\sin\theta) \\
I_2 = m_s r\omega^2 \lambda \cos(2\theta + 480) = m_s r\omega^2 \lambda (-\frac{1}{2}\cos2\theta - \frac{\sqrt{3}}{2}\sin2\theta) \\
I_r = m_r r\omega^2
\end{bmatrix}$$

$$\begin{bmatrix}
I_{1 \pm 0}, I_{2 \pm 0}, I_{$$



















































