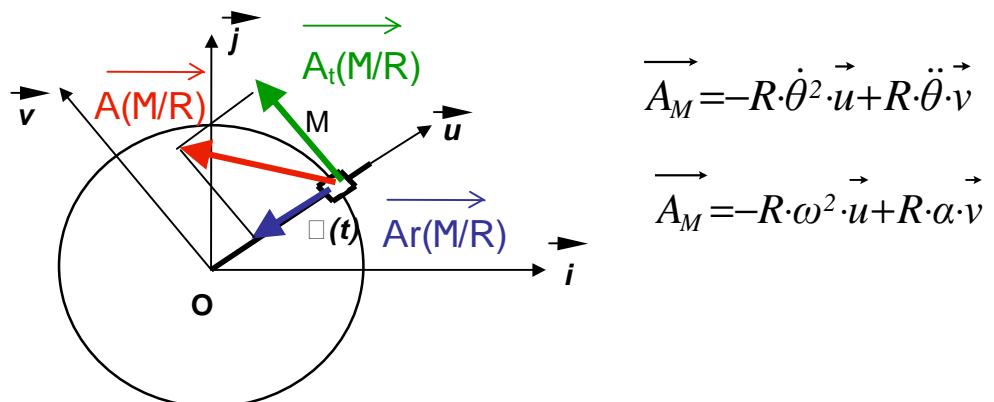
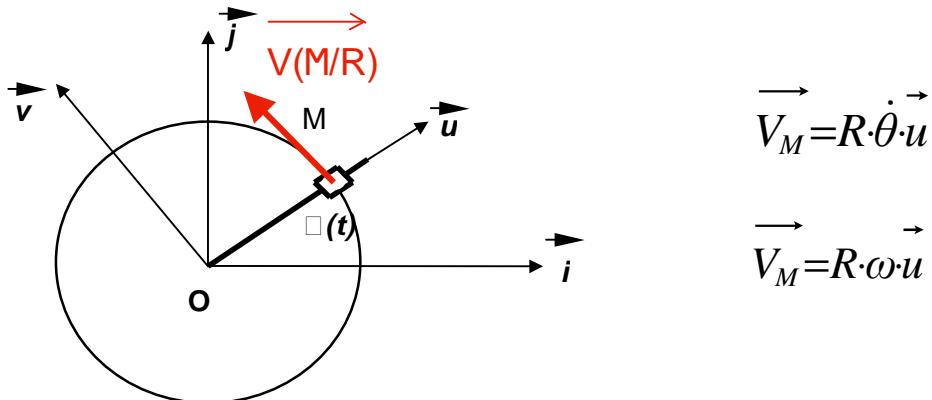
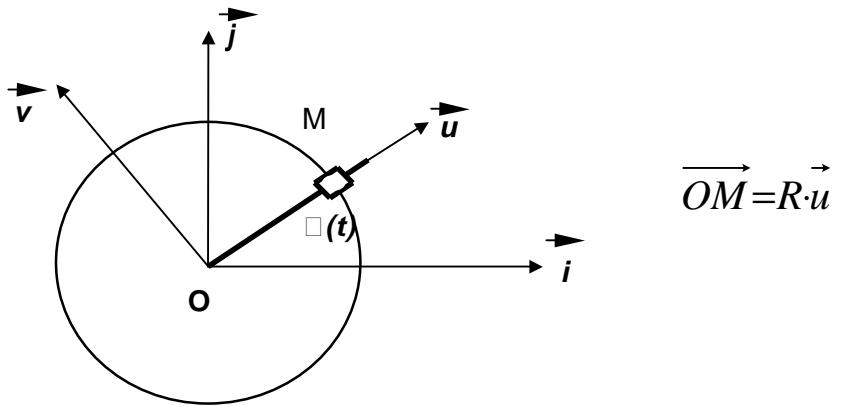


Mouvement de rotation



Mouvement de rotation uniforme (MRU)

$$\left\{ \begin{array}{l} \alpha(t) = \alpha_0 = 0 \quad = \ddot{\theta} = \dot{\omega} \\ \omega(t) = \omega_0 = \text{constante} \quad = \dot{\theta} = \theta_0 \\ \theta(t) = \omega_0 \cdot t + \theta_0 \end{array} \right.$$

Mouvement de rotation uniformément accéléré (MRUA)

$$\left\{ \begin{array}{l} \alpha(t) = \alpha_0 = \text{constante} \\ \omega(t) = \alpha_0 \cdot t + \omega_0 \\ \theta(t) = \frac{1}{2} \cdot \alpha_0 \cdot t^2 + \omega_0 \cdot t + \theta_0 \end{array} \right.$$

$$\omega_f^2 = \omega_i^2 + 2 \cdot \alpha \cdot (\theta_f - \theta_i)$$