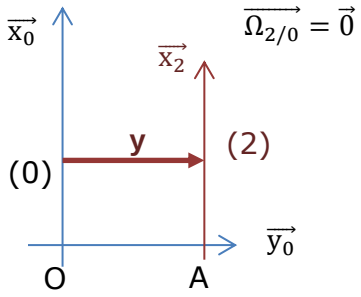

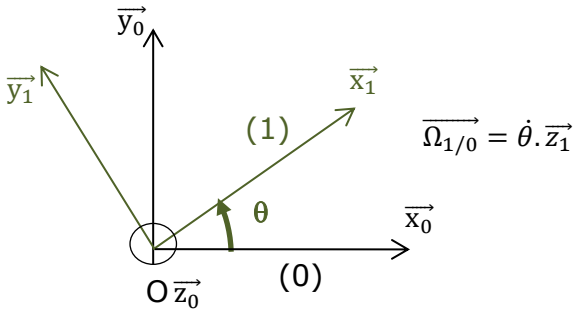

$$\overrightarrow{V_{I,2/1}} = \overrightarrow{V_{I,2/0}} - \overrightarrow{V_{I,1/0}}$$

2/0 — Translation suivant $\overrightarrow{y_0}$

$$\overrightarrow{V_{I,2/0}} = \dot{y}.\overrightarrow{y_0} = e.\dot{\theta}.\cos(\theta).\overrightarrow{y_0}$$

$$y = e.\sin(\theta) + R$$
$$\dot{y} = e.\dot{\theta}.\cos(\theta)$$

1/0 — Rotation autour de $O\overrightarrow{z_0}$

$$\overrightarrow{V_{I,1/0}} = \overrightarrow{\Omega_{1/0}} \wedge \overrightarrow{OI}$$

$$= \dot{\theta}.\overrightarrow{z_1} \wedge (e.\overrightarrow{x_1} + R.\overrightarrow{y_0}) = e.\dot{\theta}.\overrightarrow{y_1} - R.\dot{\theta}.\overrightarrow{x_0}$$

$$= e.\dot{\theta}.\cos(\theta).\overrightarrow{y_0} - e.\dot{\theta}.\sin(\theta).\overrightarrow{x_0} - R.\dot{\theta}.\overrightarrow{x_0}$$

$$\overrightarrow{V_{I,2/1}} = +([R + e.\sin(\theta)]).\dot{\theta}.\overrightarrow{x_0}$$