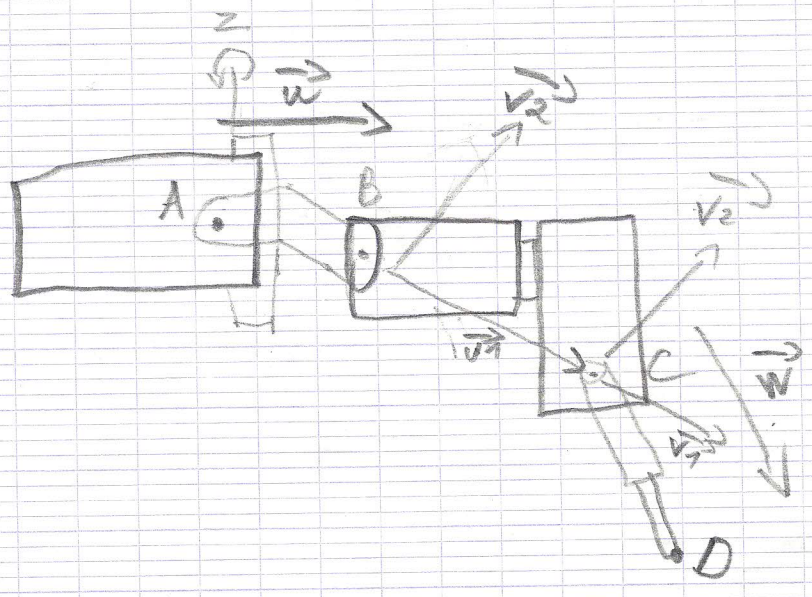
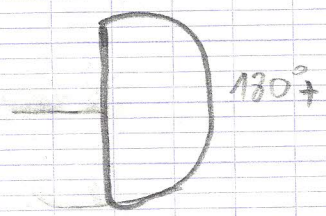
30/01/13

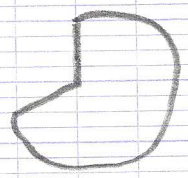
Robotique



B :



C



$$\begin{cases} \vec{u} = \cos\alpha\,\vec{x} + \sin\alpha\,\vec{y} + 0\times\vec{z} \\ \vec{v_1} = \cos\beta\,\vec{u} + \sin\beta\,\vec{z} \\ \vec{v_2} = -\sin\beta\,\vec{u} + \cos\beta\,\vec{z} \\ \vec{w} = \cos\gamma\,\vec{v_1} + \sin\beta\,\vec{v_2} \end{cases}$$