Example problem If all link lengths and the instantaneous configuration is known (given), and Dand Bare also given, how to find the velocity and acceleration of shider D? Take all augular velocities and accelerations to be counterclockwise. So $W_{AB} = W_{AB}\hat{K}$ WAB = XAB = XAB R = ÜR. and $\omega_{BE} = \omega_{BE} \hat{k}$. and IAB is the position vector from A tob, while IBA = - LAB, etc.

More on to accelerations a + X BE X IBE + WBE XWBE X IBE one scalar unknown. and also at = at i .When we find dot and at. Knowing at, we have an = ae + app x rep + men x men x rep tine scalar unknown so we find x_{ED} and a_{D} .