Review Departer Velocity Vector = de î + de î + de îk or w= wzi + wgj+w+k ボーマー ロxオ The Gymsape | di = nls, = ew, n= I.w. Where I is gyroscope's ands surry velocity Tensor of Inertia note: Igz - Izy , T = Izz Izy Izz Izz=Ixz Iga Igg Ige Izx Izy Izz Igz = Izy. Moved of Inertia + Posseds of Inerta In = Im; (4, + Z2) In =- In; 2; 4; In = - > m, x, Z, Orgerlar Morrentier L=Ico Lx = Ixx Wx + Ixy Wy + Ixz We Lx Lxy Lxz Wx Wx Ly = Iyx Wx + Iyy Wy + Iyz Wz Or Ly = Lyx Lyy Lyz Wz Wz Lz = Izx Wx + Izy Wy + Izz Wz Lz Lzy Lzz Wz Wz Kost = \frac{1}{2} \overline{\mathcal{G}} \cdot \overline{\mathcal{E}} = \frac{1}{2} I\_1 \overline{\mathcal{G}}\_1^2 + \frac{1}{2} I\_2 \overline{\mathcal{G}}\_2^2 + \frac{1}{2} I\_2 \overline{\mathcal{G}\_ Or Li + Li + Li + Li + Li + ZI + ZI = Rotation about a foral point

Ix = (Io) x + M (Y' + Z') Izy = (I)zy - MXY Ix= = (I) x= - MXZ