Parallel - Axis Thesian

- GREATER FOR

- Used to colculate I set when statem is
not through C-of-M.

Consider an object for when we know I know it for a photocol axis placed elsewhere. - shifted de & dy , a the x-y, 2 12'

 $\frac{1}{d_{\gamma}}$

The bonstandown of the old to the new satistion axis;

X'= X-dx Y'= Y-dy Z'= Z

Then we do long of any particular elever from the new olution axis is: $V'_{+} = /\chi'^{2} + \chi'^{2}$

$$S_0 (r_1')^2 = (x')^2 + (y')^2 = (x-d_x)^2 + (y-d_y)^2$$

$$= x^2 + y^2 + d_x^2 + d_y^2 - 2xd_x - 2yd_y$$

$$= (x^2 + y^2) + (d_x^2 + d_y^2) - 2xd_x - 2yd_y$$

$$= r_1^2 + d^2 - 2xd_y - 2yd_y$$

As the origin for Ian is plead at the arts of moss, Xa = Yam = O