VARIGNON'S THEOREM

Varignon's Theorem: Law of moments "Moment of a susultant of two faxus, about a point lying in the plans of the forces, is equal to the algebraic seem of moments of these two forces about the same point." Bucof: Consider a fare of acting at a point A and having component f, and F2. Moment of the fare fabout O, f.d = F OA CUSO = OA(FCUSO) = OAFx - (1) Moment of the face f, about 0, Fid = FiloAcosoi) = OA (F. (OAD) = OA Fx, - (i) Moment of the fusice F2 about 0, F2d2 = F2 (OA (OSO2) = OA (F2 (OSO2) = OAFR, - (111)