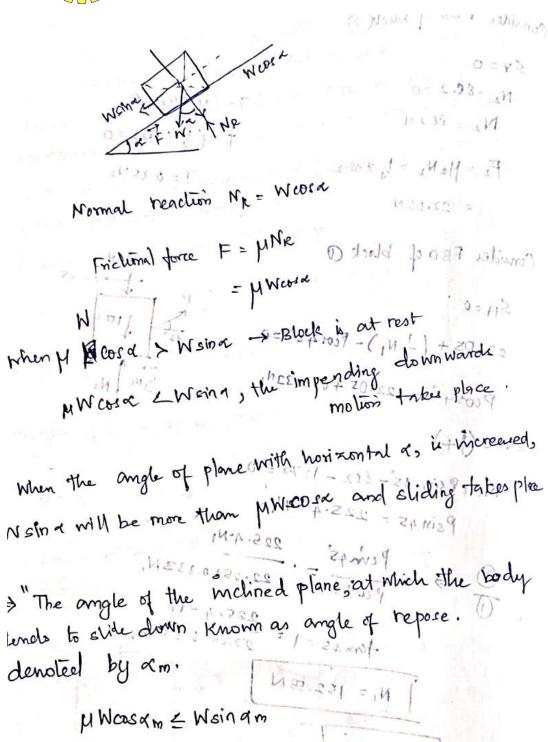


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tom & m = tom & m = \$ short of and po bust assistance Angle of respose = angle of statie fericlins. Body on rough inclined plane of the 1+17 @ What should be the value of the angle 0 50 that motion of 390N block impends down the plane? . The coefficient of furction 4 = 1/3 91910 F 7 133 2010 = + 920 10 = FBD of Corner FBO of upper block T-> lemmin of Cable (0200 0 EZ + 0101021) = 0 M2 0 PE Resolving forces along place (0200000) / = anicope T-130 smo- F1 = 0 3181 Fd. 210 = aNILOPE T-120 smo - MNI = 0 Fd 610 Resolving the force normal to place mot = 0 The Note inclination of only inclination of the property of th home whose where black (0000 1) 2 + ome och one all hail 1800 wie + 43.33 cos o -> 3 eroly dimercal deals



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consider FBD of lower block Resolving forces along plane upon - singest po signit FI+ F2 - 390 sine = 0 more bished works FIT F2 = 390 sind p what should be the water of 390 sma = /3 (130coro + N2) -> (1) Resolving forces normal to plane N2-N1-390cosp = 0 N2 = 3900000 + M/ M2 = 300000 + 130000 = 520000 Sub N2 in con (1) 390 sma = 1 (130 coso + 520 coso) 1/2 p mund (-) 3905ino = /3 (650 coso) mole grado assot printosos 390 smis = 216.67 coso = 17 -0002001 1 =tome = 216.67/390 MM - awa OE1 -T 0 = tam (216.67) = 29 anisasi-T