Engineering of Structures



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- Beer, F. B. and Johnston, E. R., "Mechanics of Engineers: Statics".
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HW1:

If the tension in the cable is 400 N, determine the magnitude and the direction of the resultant force acting on the pulley using parallelogram and tringle methods. This is the same angle θ of the line AB on the tailboard block.

HW2:

If the magnitude of the resultant force is to be 9 KN directed along the positive x-axis, determine the magnitude of the force T acting on the eyebolt and its angle θ . Use parallelogram and tringle laws.

