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Engineering Mechanics - Statics Chapter 10

MEM202 ENGINEERING MECHANICS –STATICS CHAPTER 2 FORCE VECTORS 7 Vector Operation - Resolution of Vector Resolve vector R into two components having known lines of action (Parallelogram law in reverse) Extend parallel lines from the head of R to form components Two methods commonly used in vector operations: 1.

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The beam is to be hoisted using two chains. If the resultant force is to be 600 N directed along the positive y axis, determine the magnitudes of forces FA and FB acting on each chain and the angle u of FB so that the magnitude of FB is a minimum . FA acts at 30 from the y axis, as shown

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