











ŧεy σy Strain Stress In a mathematical sense, we can assume that stress and strain are related in some functional fashion as shown. Determining the appropriate function to use, however, is a formidable task, since every material will have its own behavior, and this behavior can be very complicated. As long as we restrict ourselves to modest loads, however, most materials used by engineers exhibit quite simple behavior: elastic and linear. We have already discussed the concept of elastic versus plastic behavior; we now consider linearity. In simple terms this means that stress = strain * factor. For our general stress and strain descriptions, the picture is more complicated. ⇔ ⊲⊃ 6 Hide Text



















































































































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