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Varma • In examples, homeworks, and exams please state clearly whether you are using the theoretical value of K or the recommended design values. 3 CE 405: Design of Steel Structures – Prof. Dr. A. Varma EXAMPLE 3.1 Determine the buckling strength of a W 12 x 50 column. Its length is 20 ft. For Design of Compression Members - MAFIADOC.COMCE 405: Design of Steel Structures – Prof. Dr. A. Varma Example 3b.2 Design a double angle tension member and connection system to carry a factored load of 250 kips. Solution Step I. Assume material properties □ Assume 36 ksi steel for designing the member and the gusset plates. □ Assume E70XX electrode for the fillet welds.8 CE 405 Design of Steel Structures Prof Dr A Varma ...CE 405: Design of Steel

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