ANSWERS - VOLUME2: STRESSES, STRAINS, DISPLACEMENTS

Chapter 4, Members Subject to Bending and Extension

problem 4.013, page 237

Remarks: See § 4.4, pages 168 till 170

Answers:

a. diagram a.

N > 0 in cross-section 1(tension).

The normal stress at the normal centre NC must be positive

b. diagram b.

N = 0 in cross-section II

The normal stress at the normal centre NC must be zero.

Last update: 22-10-07