Deformation of concrete structures

Hw #2 due 2010-9-28

1. A cantilever beam of a uniform cross section (*EI, A*) is acted upon by a distributed load *w* and is also subjected the temperature distribution



where  and *a* are specified constants. Calculate displacement  and  draw the stress distribution in the section at the fixed end.

1. Solve example 2.3 in the text.