

ASEN 3112

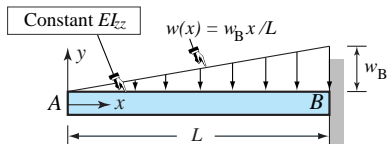
Spring 2020

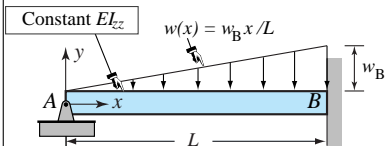
Lecture 8

February 6, 2020

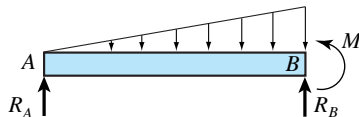
8

Beam Deflections by 4th Order Method and Additional Topics

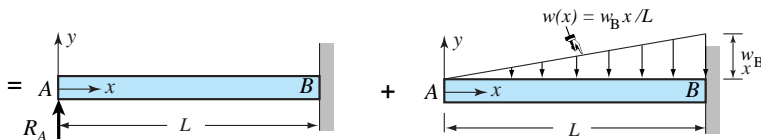




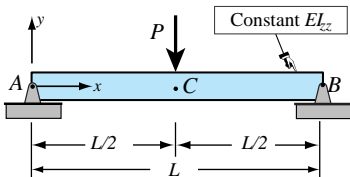
(a) Original (statically indeterminate) problem



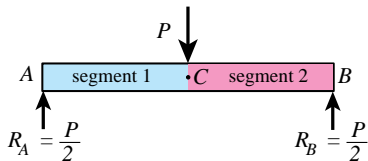
(b) Support reactions



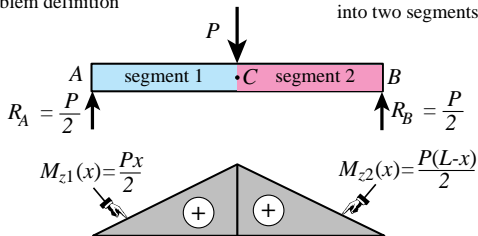
(c) Decomposition into two load cases and superposition



(a) Problem definition



(b) Support reactions and division into two segments



(c) Bending moment diagram