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EE C245 - ME C218
Introduction to MEMS Design
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Lecture Module 8: Microstructural Elements

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Sign Conventions for Moments & Shear Forces

Moment

Positive Negative

(+) moment leads to deformation with a (+) radius of curvature (i.e., upwards)

(-) moment leads to deformation with a (-) radius of curvature (i.e., downwards)

Shear

(+) shear forces produce clockwise rotation

(-) shear forces produce counter-clockwise rotation

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