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Micromechanics goal is to predict the
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solids (see, e.g., Nemat-Nasser & Hori, 1993). For regular microstructures, a unit cell or a repeating region is used for the averaging procedures involved.

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Abstract. There are two well-established theories in micromechanics for analytical estimation of overall property of a

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heterogeneous material, instead of experimental estimation; a heterogeneous material includes a partially damaged or plastically deformed material.

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