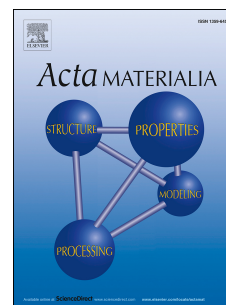


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Contribution of austenite-martensite transformation to deformability of advanced high strength steels: from atomistic mechanisms to microstructural response

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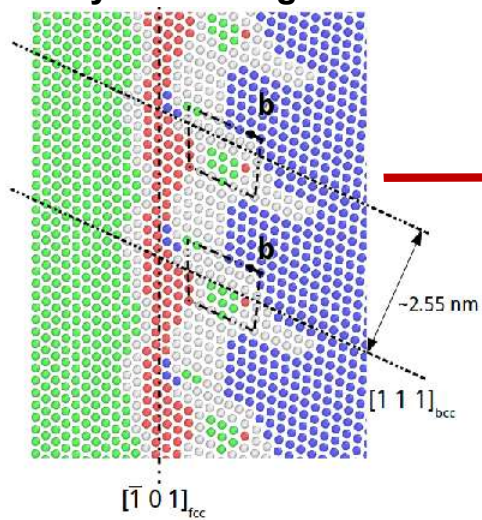
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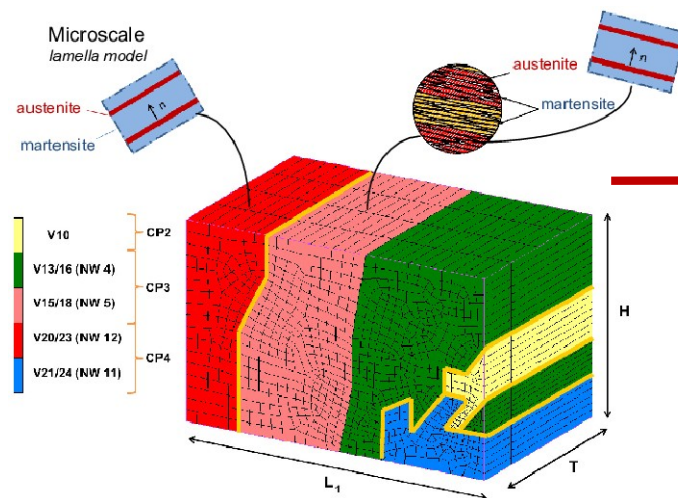
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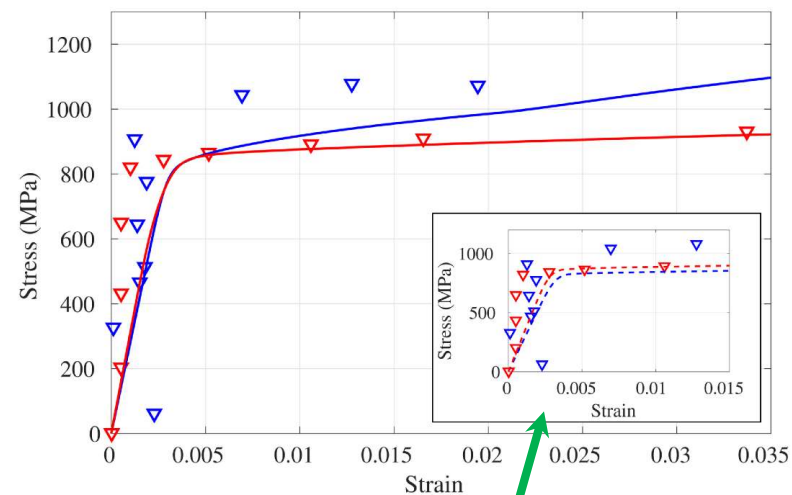
Nanoscale mechanism
fcc to bcc transformation
by interface glide



Two-scale continuum model
nanolaminate austenite-martensite mechanics



Macroscopic response
reproduces experiments



Inset: model without austenite

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