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Gumbsch

## Mapping strain rate dependence of dislocation-defect ...

ANTERIOR SHOULDER DISLOCATION PROTOCOL  
PHASE I: 0 – 3 WEEKS S/P INJURY Bracing: Ultra-Sling  
ER: position arm in 10° of ER. Use at all times except  
showering / bathing Modalities: Cryotherapy 3x/ day  
TENS if c/o pain NMES PROM: None at Glenohumeral  
joint Therapeutic Exercise: Wrist / Hand Exercises  
Elbow AROM

## Dislocation Modelling Of Physical Systems

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System Setup and Details of the ABC and MD Simulations. The modeled system in Zr contains an edge dislocation and a 5-SIA cluster in the basal plane. This system is equivalent to the one studied earlier by static simulation . The simulation crystal has the dimensions of 14.46 nm, 4.15 nm, and 13.51 nm along the dislocation Burgers vector, along the dislocation line, and perpendicular to the dislocation slip plane, respectively, and contains 34,181 mobile Zr atoms.

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- October 2, 2013 by M. F. Ashby (Editor)

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