

Abstract Submitted
for the MAR15 Meeting of
The American Physical Society

Multiple Stages of Crosslinking and Scission in Coarse-Grained Polymers¹ JOANNE BUDZIEN, MacMurray College — Coarse-grained polymer chains were crosslinked, deformed, crosslinked a second time, and deformed again with stress measured at each deformation. Scissioning of crosslinks occurred at various deformations. By varying the level of scissioning and crosslinking at the deformation states, information is gathered about effective crosslink density that includes contributions from physical entanglements.

¹This work used the Extreme Science and Engineering Discovery Environment (XSEDE), which is supported by National Science Foundation grant number ACI-1053575

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Date submitted: 13 Nov 2014

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