

Abstract Submitted
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Networks of ultra-small MoGe nanowires: fabrication and properties¹ ZHILI XIAO, Argonne National Laboratory, MICHAEL LATIMER, QIONG LUO, WAI-KWONG KWOK, Argonne National Laboratory — By developing a template-based method we were able to fabricate networks of MoGe nanowires with widths and thicknesses of few nanometers. Resistive measurements reveal magnetoresistance oscillations with a field period up to 2 Tesla. Detailed information on sample fabrication will be presented. Possible mechanisms on the observed magnetoresistance oscillations will be discussed.

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Zhili Xiao
Argonne National Laboratory

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