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**Alice Wu Lim\***, awlim100@syr.edu. *Classification of Locally Homogeneous Compact  
Three-Manifolds Which Admit Quasi-Einstein Metrics.*

In this talk, I will define locally homogeneous and  $m$ -quasi Einstein in order to classify the locally homogeneous compact 3-manifolds which admit  $m$ -quasi Einstein metrics. Then, I will give results which are true for compact Einstein manifolds of any dimension. (Received January 15, 2021)