

1106-51-1168 **Andrea N Young*** (younga@ripn.edu). *A Discrete Yamabe Problem*. Preliminary report.

The Yamabe problem in smooth differential geometry asks whether a given metric on a smooth, compact manifold M^n , $n \geq 3$, is conformal to one having constant scalar curvature. This talk will focus on a related question in the setting of triangulated, piecewise-flat manifolds. Known results will be presented. A preliminary report of work done under the auspices of a grant from the Center for Undergraduate Research in Mathematics will also be given. (Received September 11, 2014)