## EMILY DRYDEN, Bucknell University

Heat content of polygons

Imagine heating up a planar domain to uniform temperature and freezing its boundary at temperature zero. If we measure the heat content of the domain over time, what geometric information can we obtain? Does this geometric information uniquely determine planar domains? We will investigate these questions for planar polygons. This talk is based on joint work with Madelyne Brown and Jeffrey Langford.