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Emily B. Proctor* (eproctor@middlebury.edu) and **Elizabeth A. Stanhope**
(stanhope@clark.edu). *An isospectral deformation on an orbifold quotient of a nilmanifold.*

We construct a Laplace isospectral deformation of metrics on an orbifold quotient of a nilmanifold. Each orbifold in the deformation contains singular points with order two isotropy. Isospectrality is obtained by modifying a generalization of Sunada's theorem due to DeTurck and Gordon. (Received January 11, 2007)