

1106-VM-1851 **Jacob M Blackwood** and **Adam M Dukehart*** (am06duke@siena.edu), Siena College, 515
Loudon Road, Loudonville, NY 12211. *Loxodromic Curves on Surfaces of Revolution.*

A loxodrome is a spherical curve that makes a constant angle with the meridians. We investigate loxodromic curves on surfaces of revolution and show that the differential equation arising from the constant angle constraint is a separable equation. In addition, we discuss loxodromic curves in higher dimensions by using the notion of parallel transport in Differential Geometry. (Received September 15, 2014)