

The Problem of the Month November 2021

Imagine a right circular cone with altitude H and slant height R . Let the radius of the circular base be r . Imagine that the apex angle of the cone is θ . Now slit the cone open by cutting along the slant height from the base to the apex. Unwrap the slit cone to reveal a circular sector. Find the central angle of this sector, α , as a function of θ .

