

In what ways is a rolling cone analogous to the toppling tetrahedron? The toppling tetrahedron covers the plane whereas the cone has a finite locus. The sum of the tetrahedron's facial angles meeting in a vertex is a unit fraction of a whole angle (1/2 in fact) and this is a requirement here too. (The 1/2 corresponds to a semi-apical angle of .) 30°

