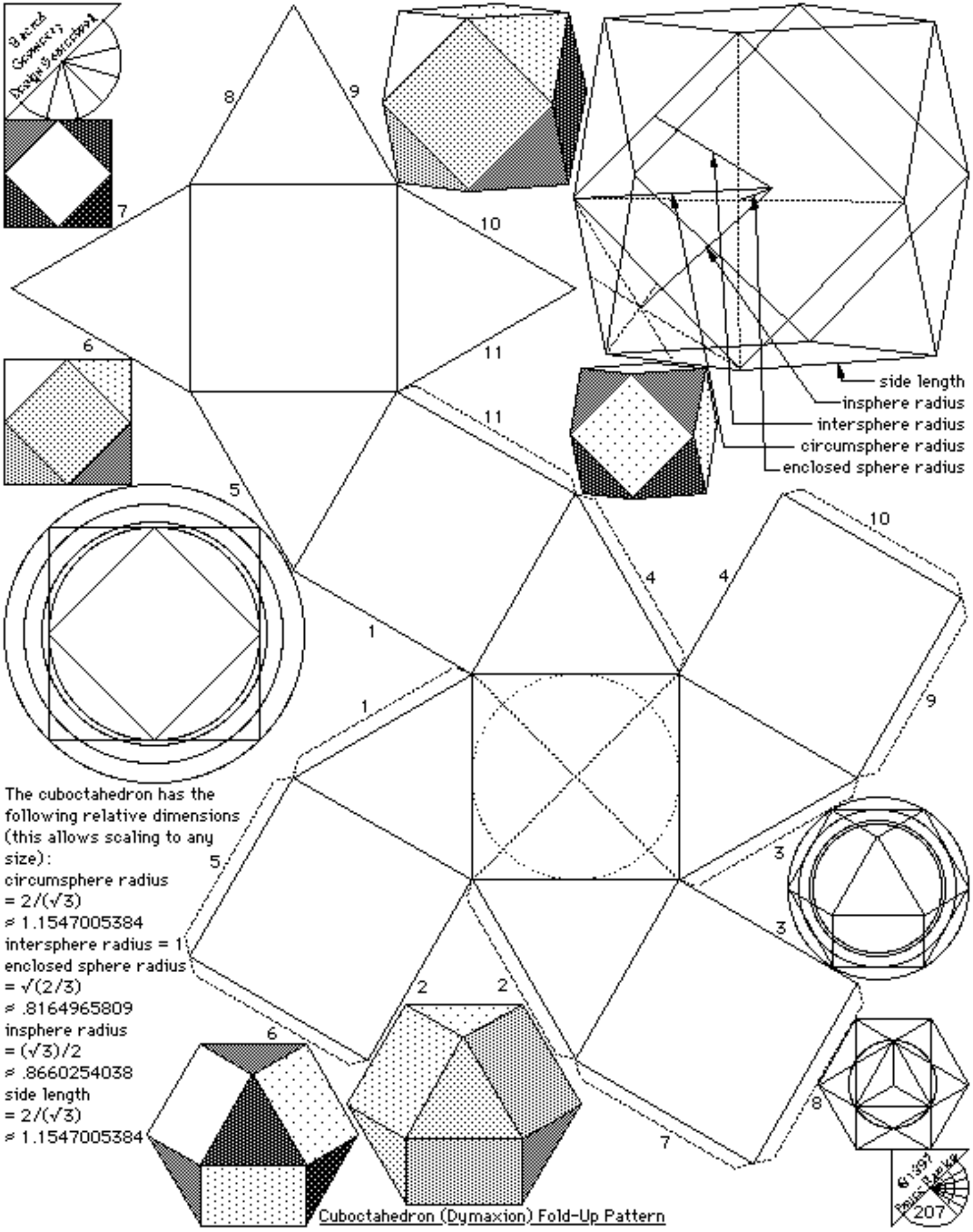

The cuboctahedron has the following relative dimensions (this allows scaling to any size):

circumsphere radius
= 2/(√3)
≈ 1.1547005384

intersphere radius = 1

enclosed sphere radius
= √(2/3)
≈ .8164965809

insphere radius
= (√3)/2
≈ .8660254038

side length
= 2/(√3)
≈ 1.1547005384

Cuboctahedron (Dymaxion) Fold-Up Pattern