$$C_{1,2} = \frac{1}{2}(sk_1 + sk_2) \pm \sqrt{\left\{\left[\frac{1}{2}(sk_1 - sk_2)\right]^2 + \left[\frac{sk_3}{2}\right]^2\right\}}$$

C_1 being the major principal curvature

C_2 being the minor principal curvature