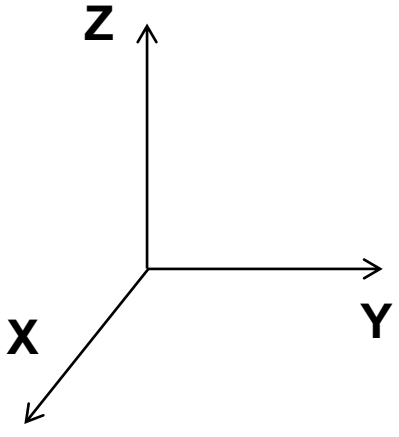

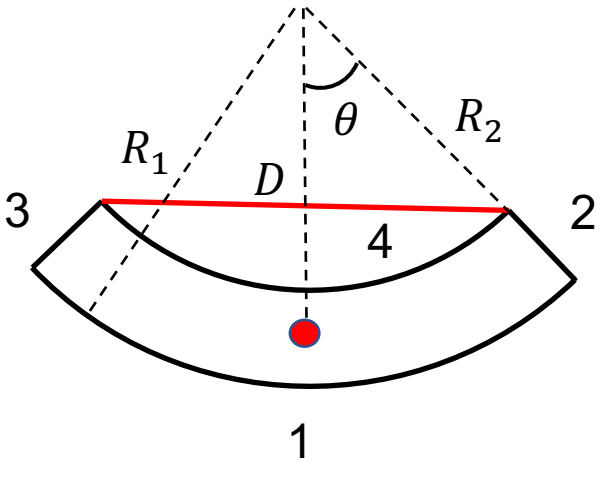

$$1: (z - D)^2 + y^2 - R_1^2 \leq 0$$
$$2: \cos(\theta)\, y + \sin(\theta)\, z - \sin(\theta)\, D \leq 0$$
$$3: -\cos(\theta)\, y + \sin(\theta)\, z - \sin(\theta)\, D \leq 0$$
$$4: z - (D - R_2 \cos(\theta)) \leq 0$$
$$5: x - \frac{w}{2} \leq 0$$
$$6: -x - \frac{w}{2} \leq 0$$

$$D = \left(\frac{R_1^3 - R_2^3}{R_1^2 - R_2^2}\right) \frac{2\sin(\theta)}{3\theta}$$