



Dr. Find the radius of coverature at point (30, 30) covere x3+y3=30xy Sol: Jeinen wave: x3 +y3 = 3a(xy) > uv form Differentiate both sides is . r +3y2.dy = 3ag xdy => y = 3ay - 3x2 $x^2 - ay = 3 dy \left[ax - y^2\right]$ $y_1 = x^2 - ay$ $\frac{3a}{2} = \frac{3a^2 - a \cdot 3a^2 - a \cdot 3a}{2}$ $\frac{3a}{2} - \frac{3a^2}{2}$ =>y = 9a-6a x 4



