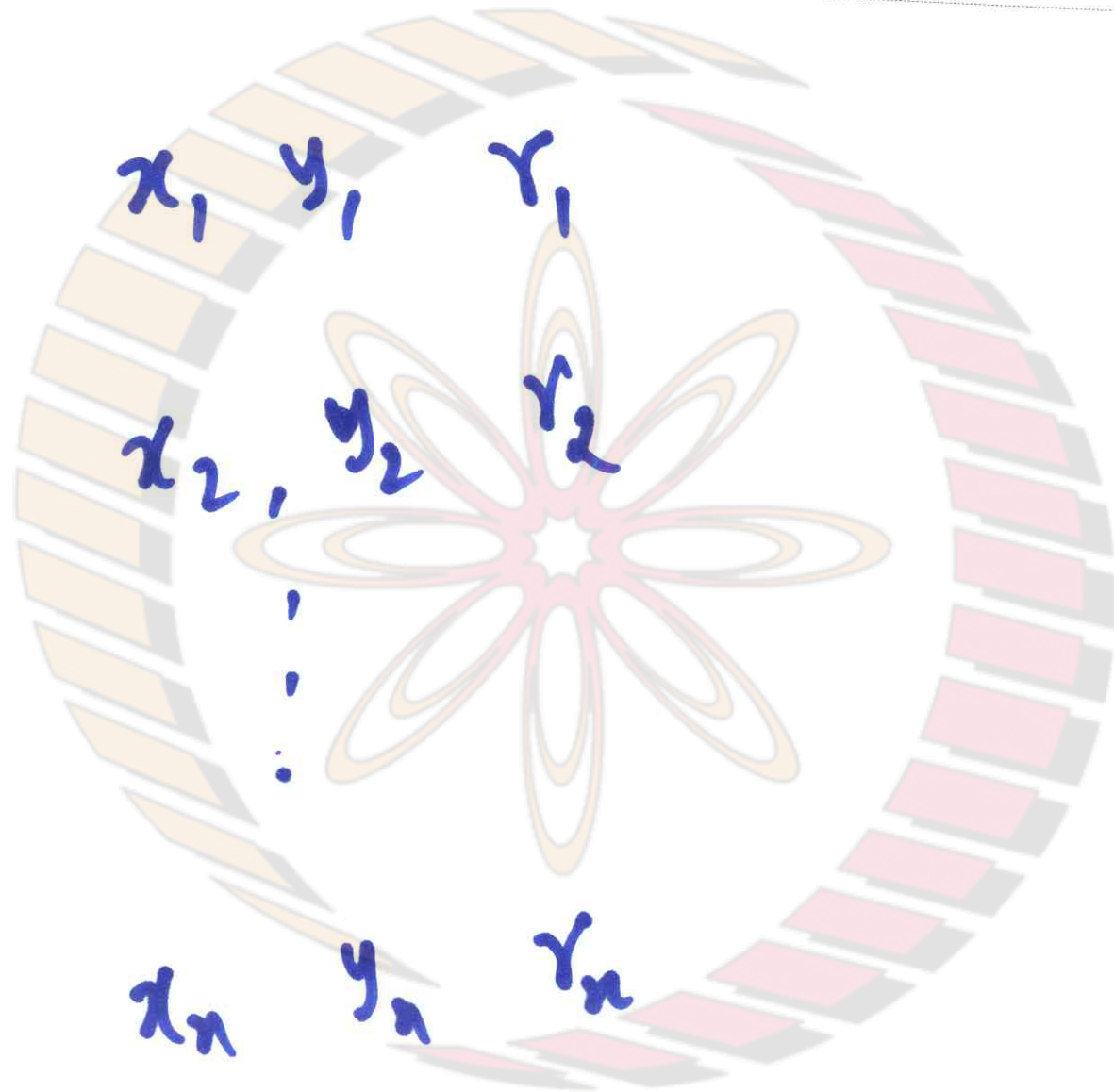
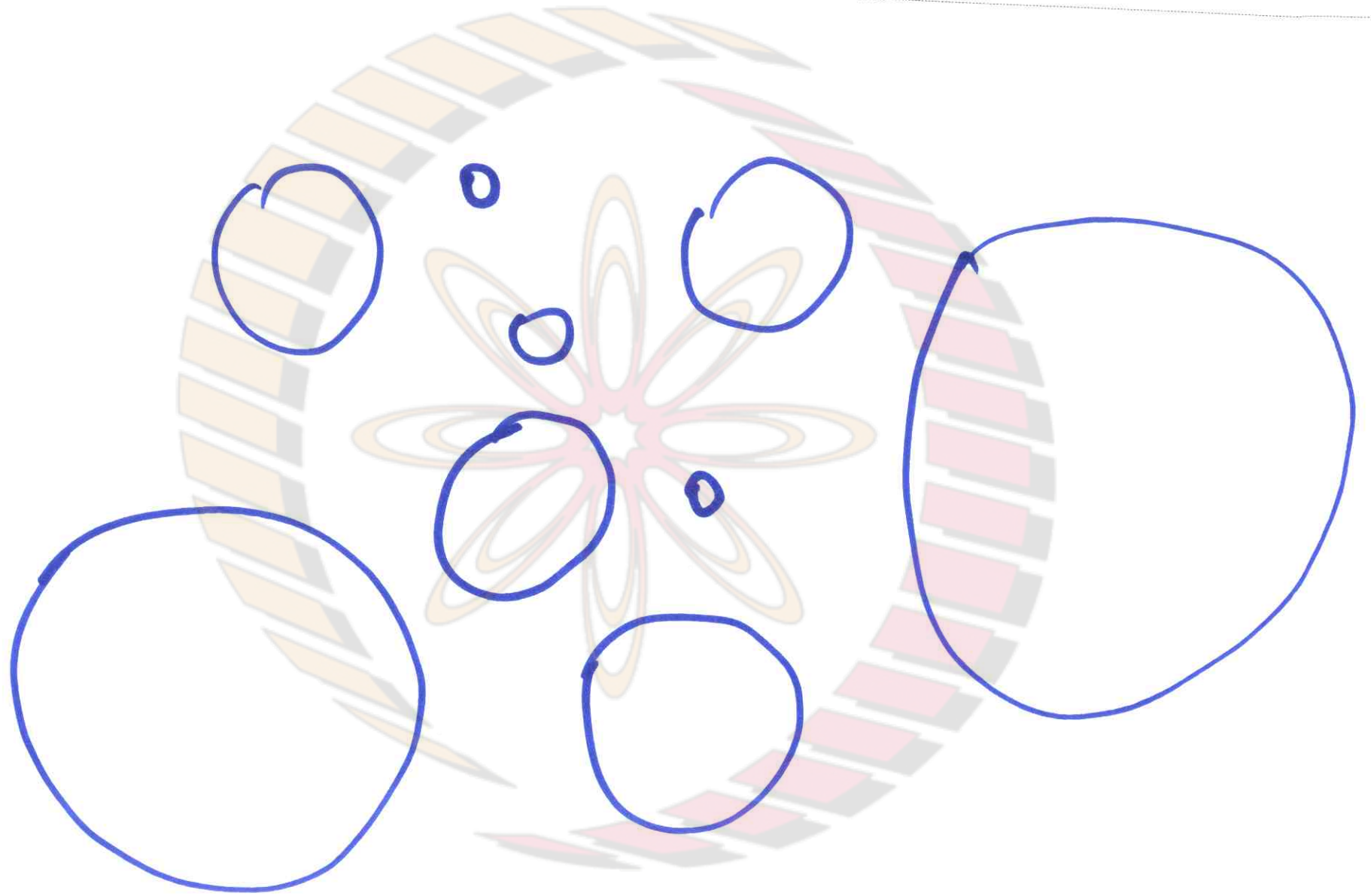
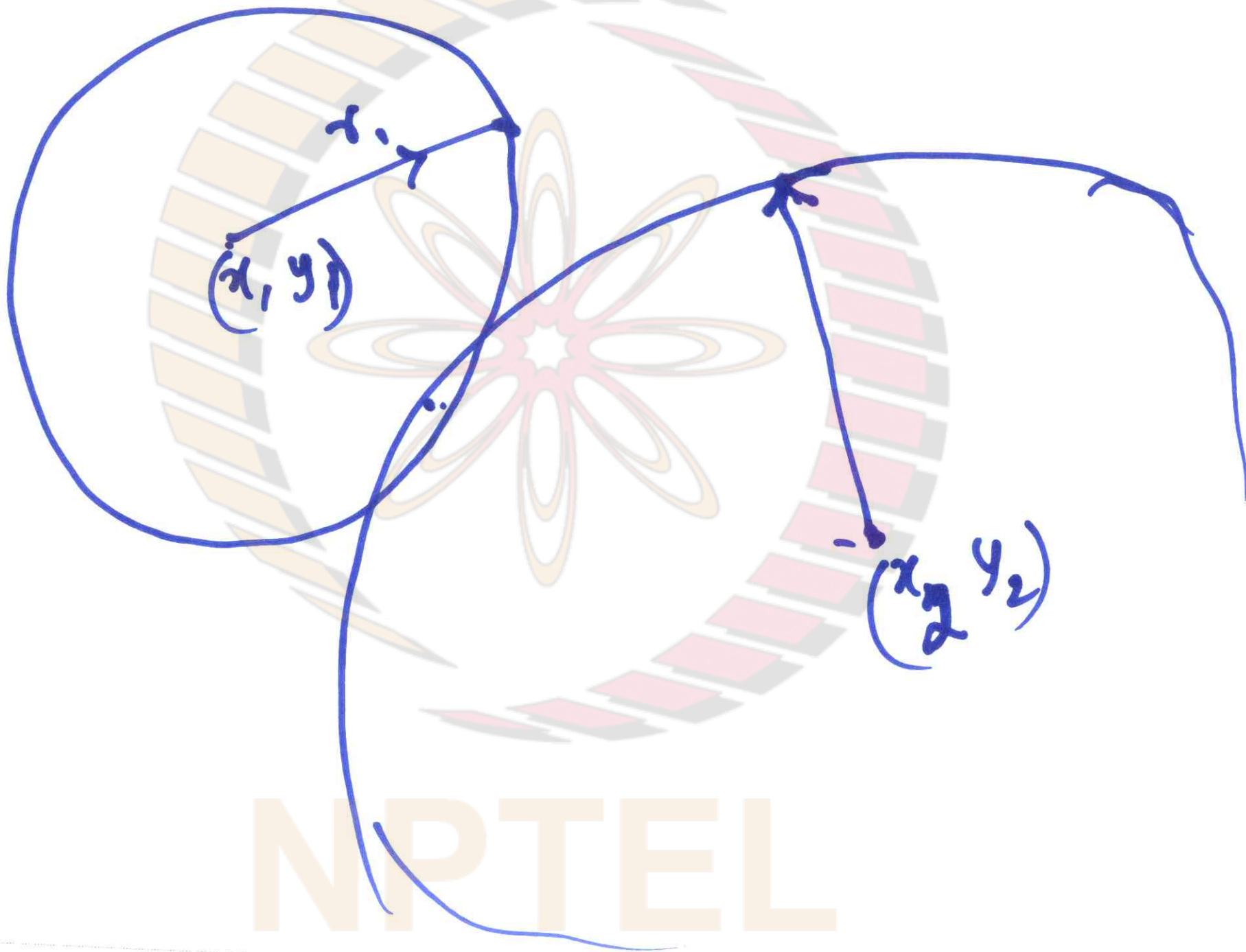




NPTTEL



NPTTEL



dist (center of i to center of j) $>$ sum of radii $r_1 + r_2$

$$\sqrt{(x_i - x_j)^2 + (y_i - y_j)^2}$$

x_i y_i x_j y_j

NPTTEL