

$$(\sigma_x, \sigma_y) = f(\{x_i, y_i\}, \{r_i\}, \{\sigma_{xi}, \sigma_{yi}\}, \{\sigma_{ri}\})$$

(σ_x, σ_y)	Rover position uncertainty (require $\leq 1\text{m}$)
$\{x_i, y_i\}_{i=1}^3$	Positions of deployed pods
$\{r_i\}_{i=1}^3$	Distance to deployed pods
$\{\sigma_{xi}, \sigma_{yi}\}_{i=1}^3$	Uncertainty in pod location
$\{\sigma_{ri}\}_{i=1}^3$	Uncertainty in range measurement