

pose

map

A diagram illustrating the components of a probability distribution. A central light blue rounded rectangle contains the expression  $p(\mathbf{x}_{0:k}, m | \mathbf{z}_{1:k}, \mathbf{u}_{1:k})$ . Four arrows point from this rectangle to labels: 'pose' (top-left), 'map' (top-right), 'measurements' (bottom-left), and 'odometry' (bottom-right).

$$p(\mathbf{x}_{0:k}, m | \mathbf{z}_{1:k}, \mathbf{u}_{1:k})$$

measurements

odometry