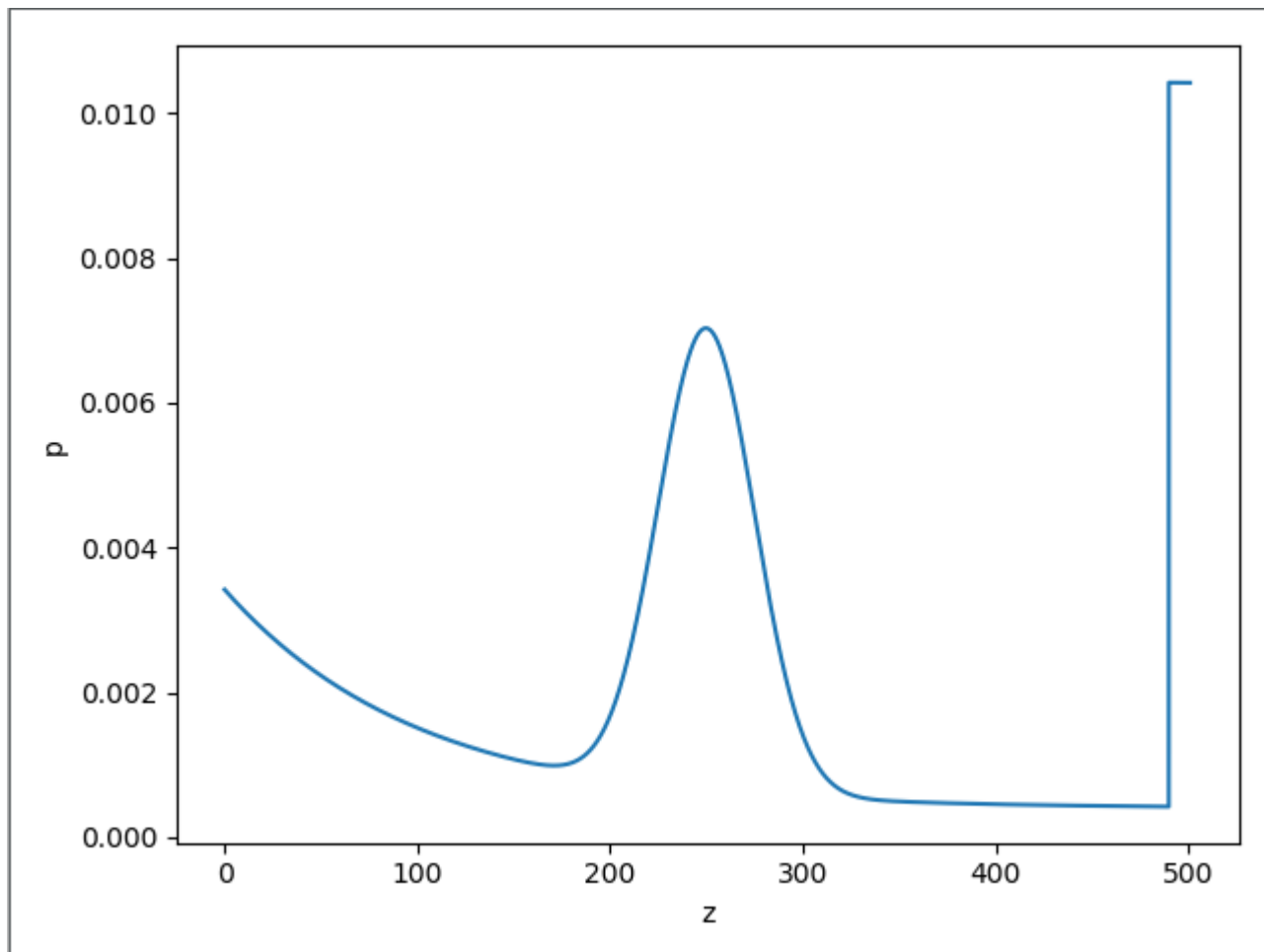
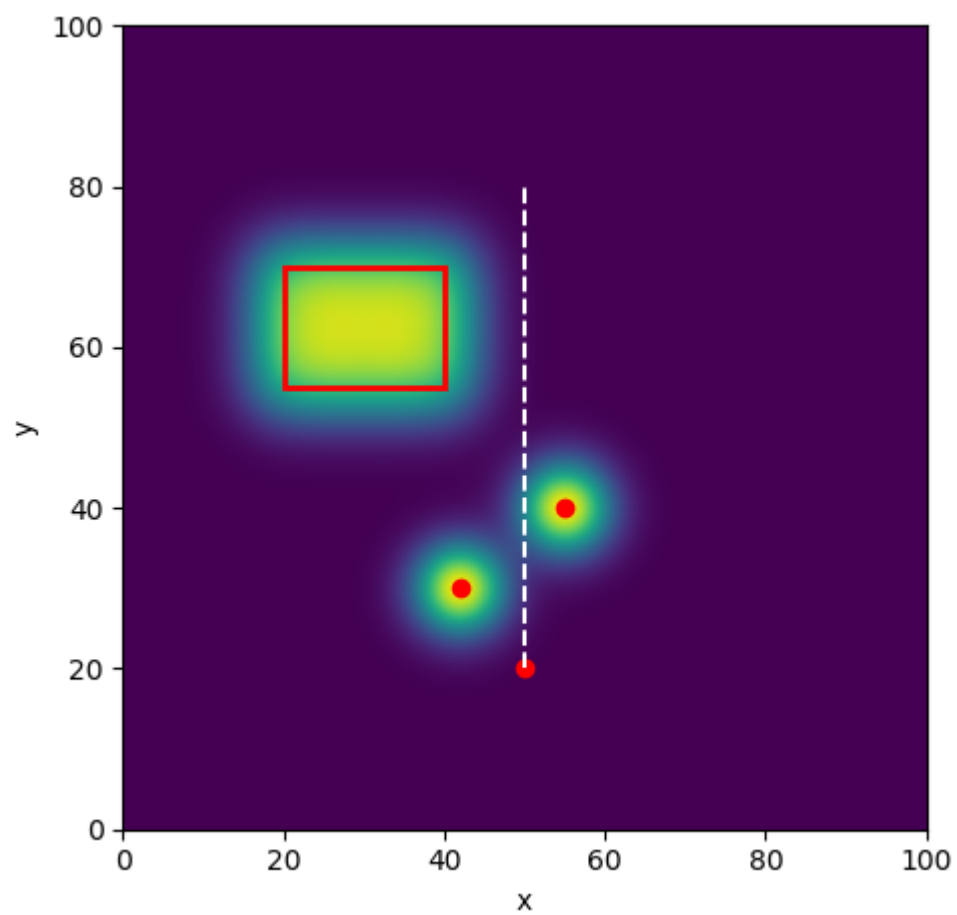


**Q1**

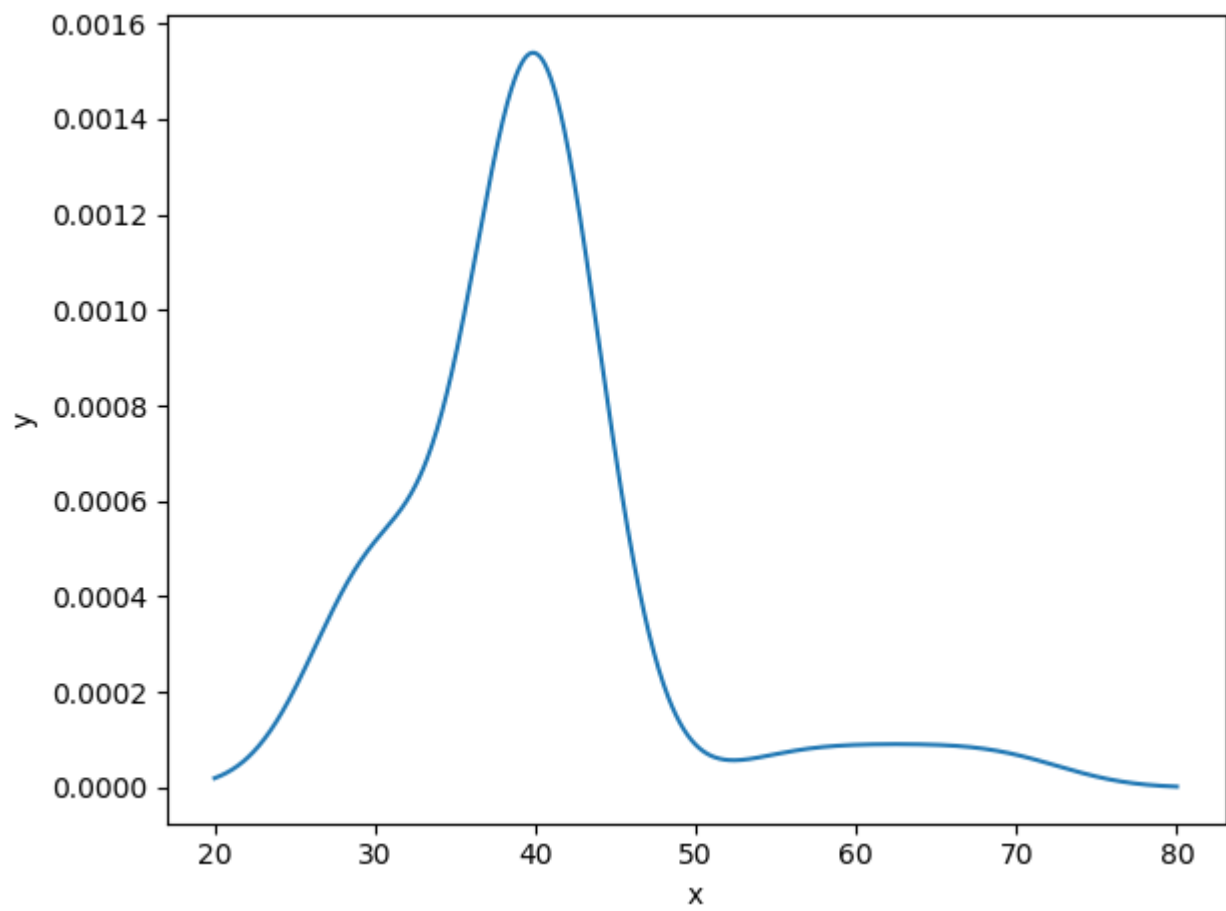


With expected  $z$  as 250, max range as 500

**Q2**

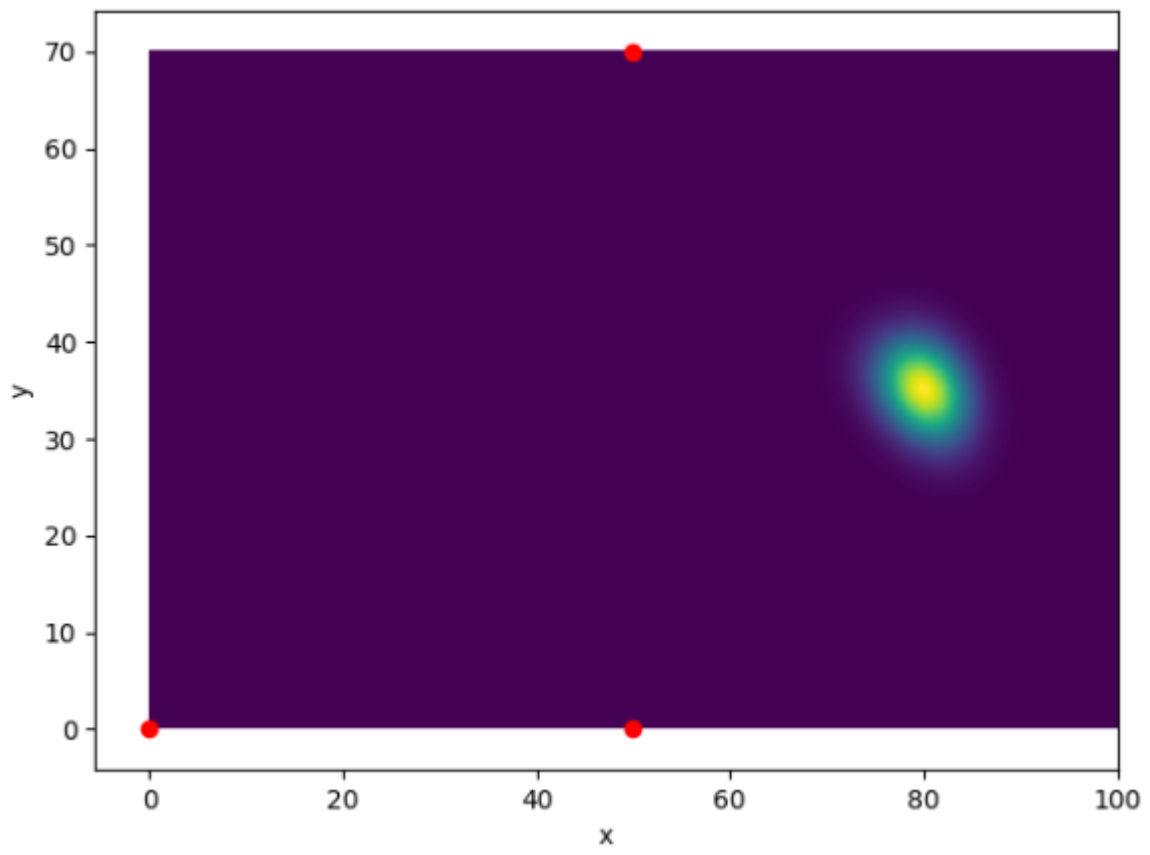


Measurement likelihood field



Beam measurement probability model

**Q3**



Landmark measurement probability model