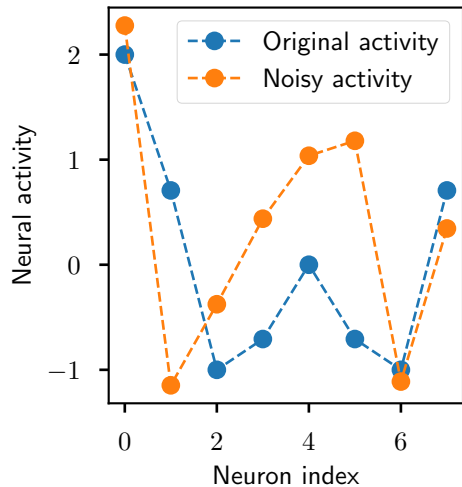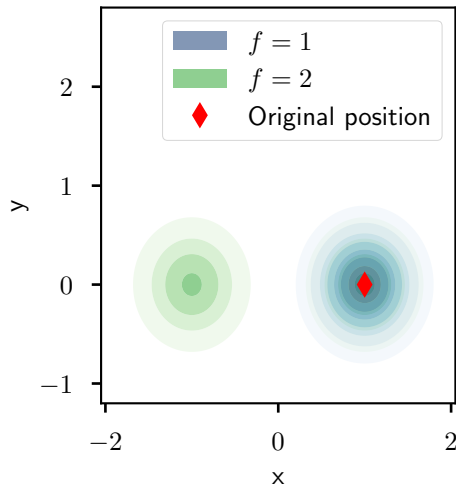# Encoding the position with multiple harmonics is fragile to noise in the lower frequency

Original and noisy neural activity

Likelihood for each harmonic without noise

Likelihood for each harmonic with noise