



Predictions of trajectory angle and velocity in polar co-ordinates for (A) the motion-first and (B) the stereo-first Bayesian model with the same parameters as reported in Fig. 4. Both model predictions are based on the assumption that standard deviations of the likelihoods vary linearly with monocular image velocity and with binocular disparity. Predictions of the motion-first model are no longer isotropic but are compressed along the x-axis whereas predictions of the stereo-first model are further compressed along the z-axis.