

Supplementary figures

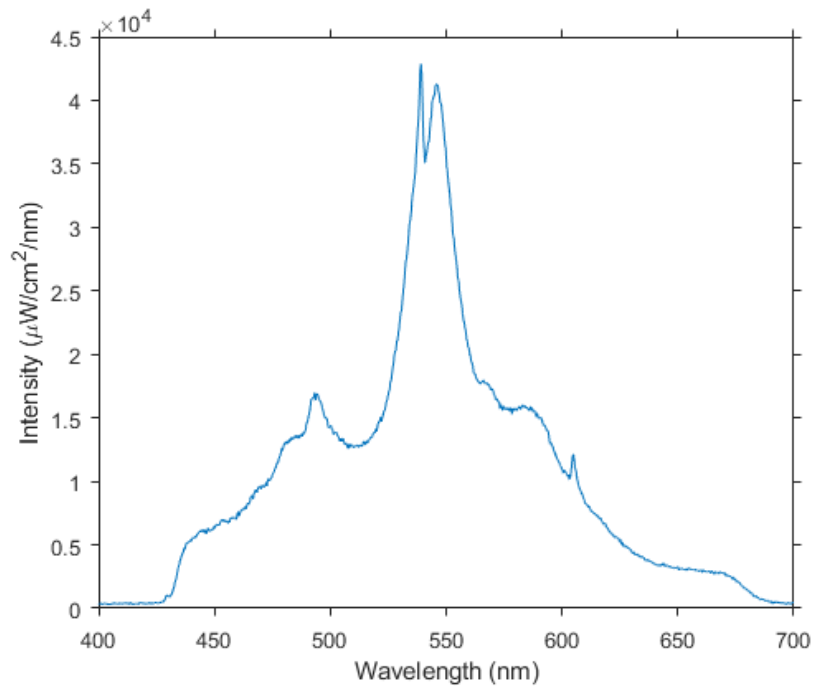


Fig. S1. Spectrum of light emitted from the intensity/polarization display. Projector pixels set to maximum RGB values (255,255,255). Measured with a Flame spectrophotometer coupled to a 600nm diameter bare optic fibre and calibrated using a DH-2000 calibrated light source (all Ocean Insight, Orlando, USA).

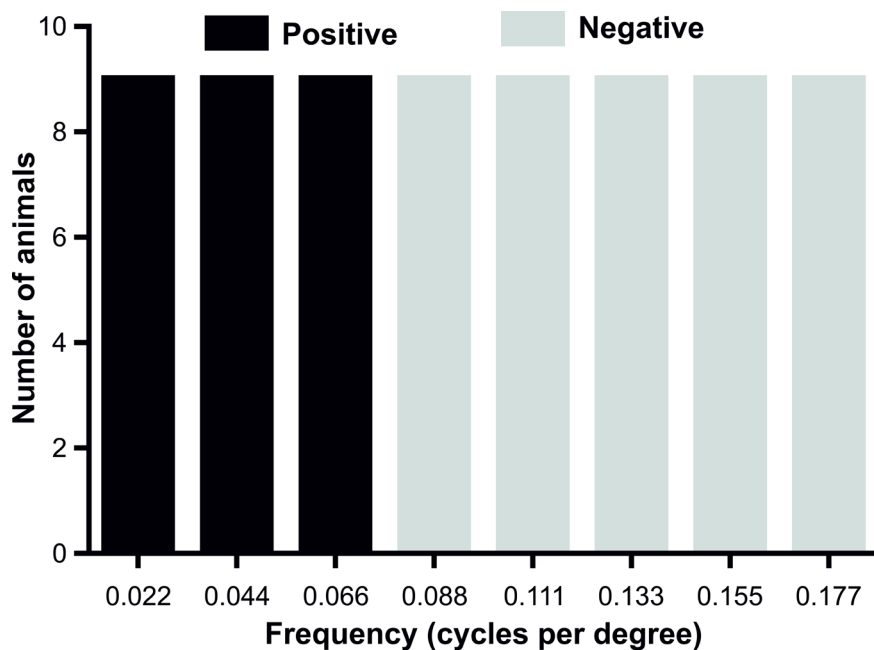


Fig. S2. Gaze stabilisation response of the hermit crab *Pagurus bernhardus* to full contrast intensity gratings varying in spatial frequency.