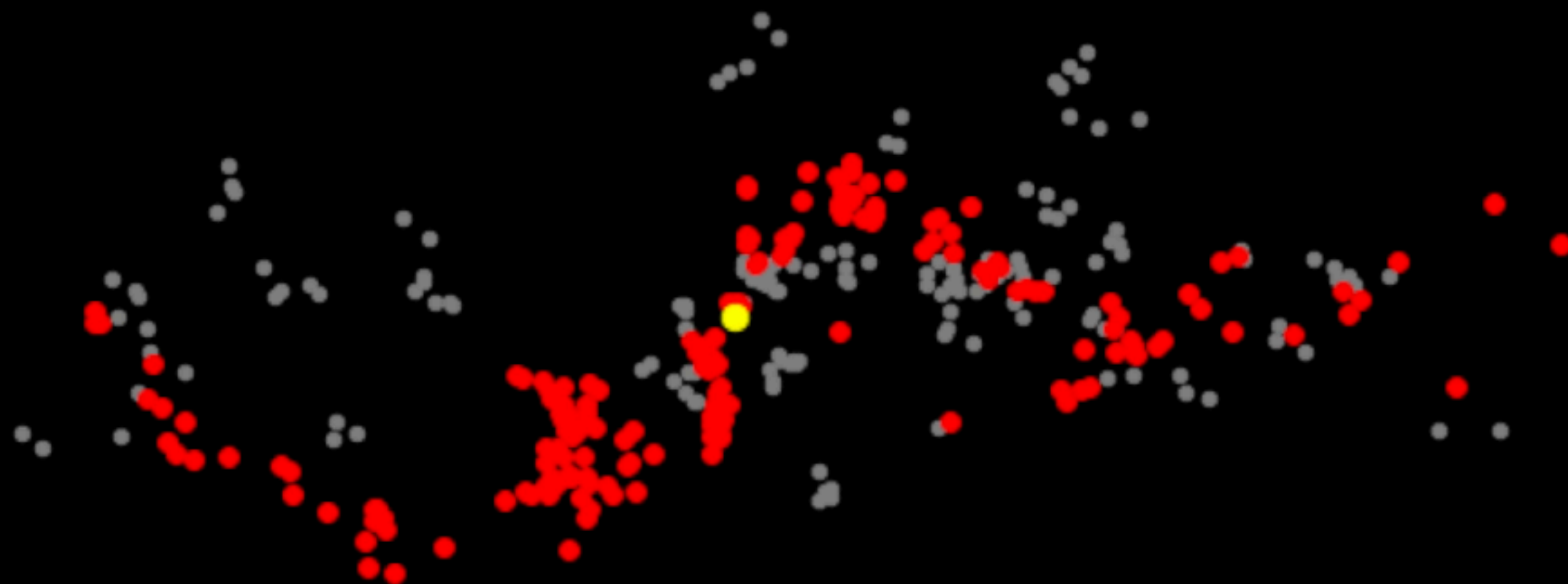


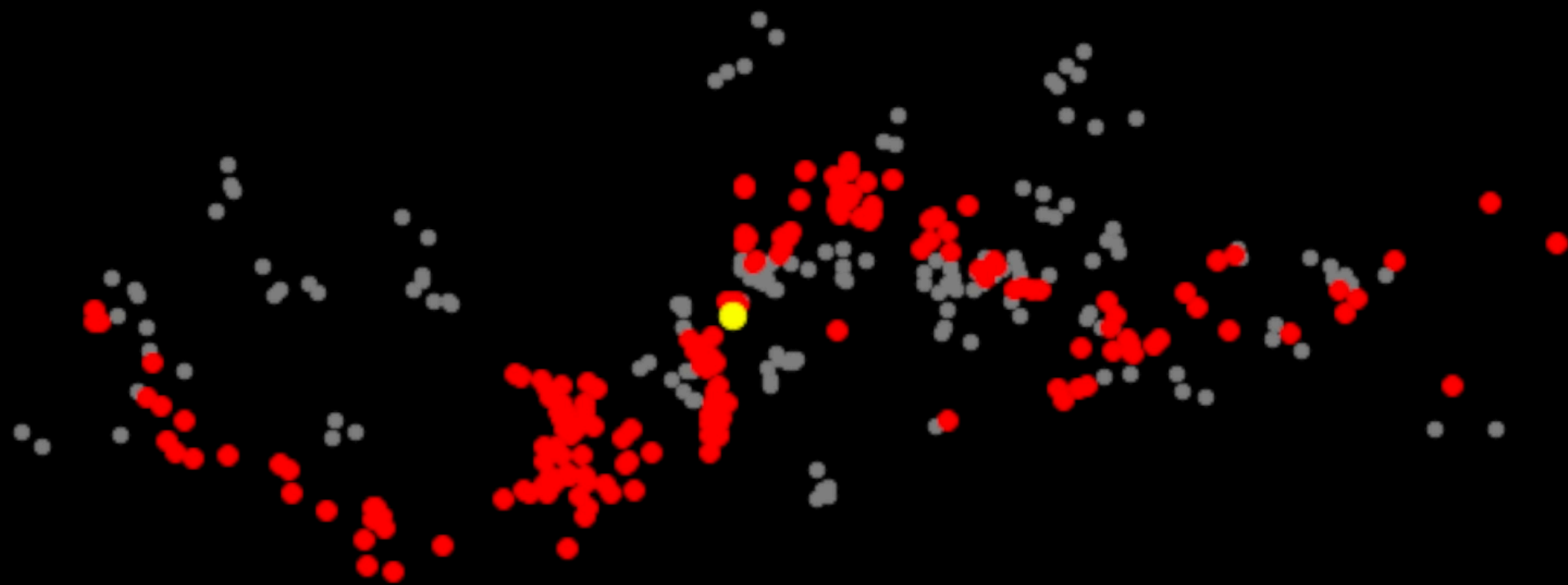
MovingWave

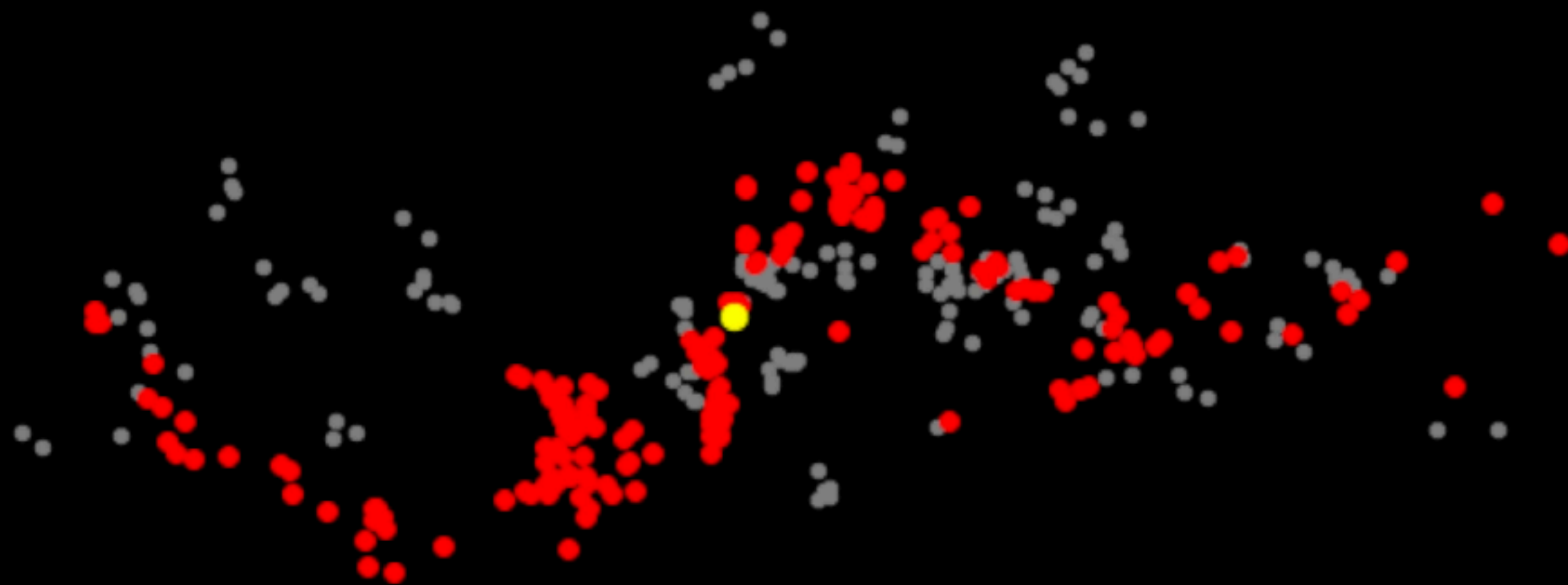
standing wave

star-forming regions near the *Solar system* currently spatially located at the zero points of the wave move through the Galactic plane at their greatest vertical velocity, while regions located at spatial extrema are at their kinematic turning point, having no vertical velocity

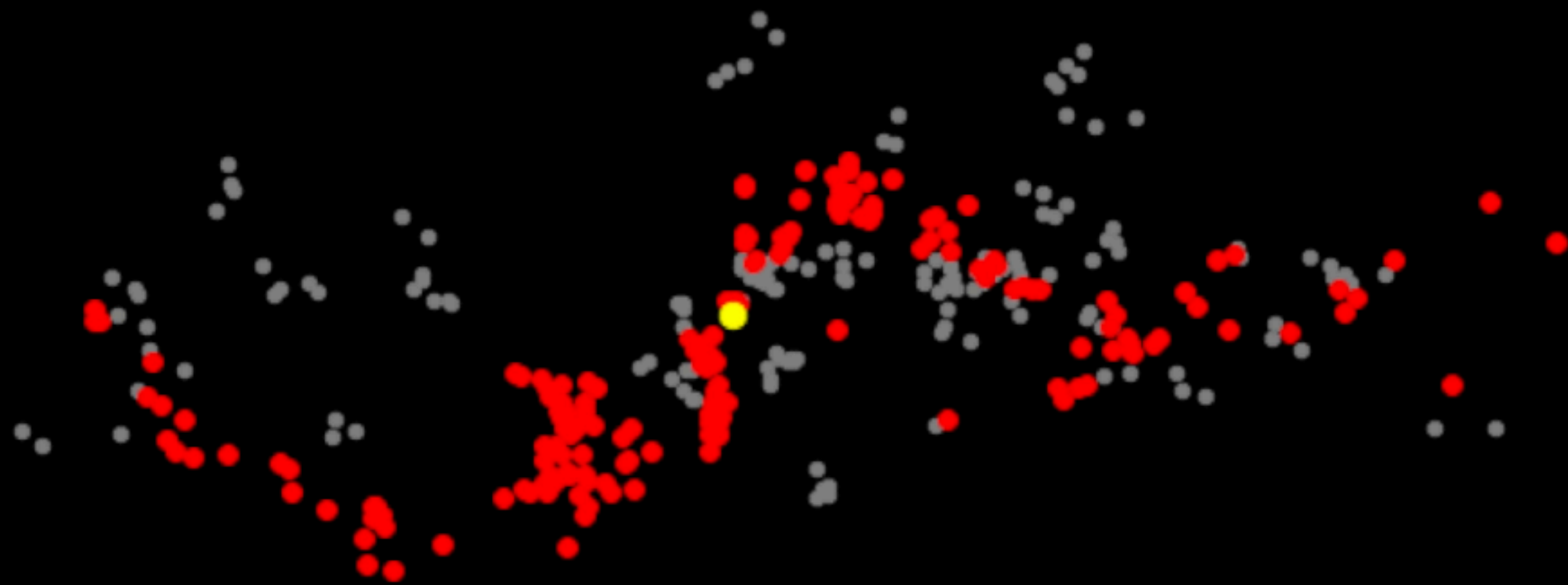
star-forming regions near the *Solar system* spatially
located at the zero points of the wave are at rest,
while regions located at spatial extremes have a
vertical velocity component





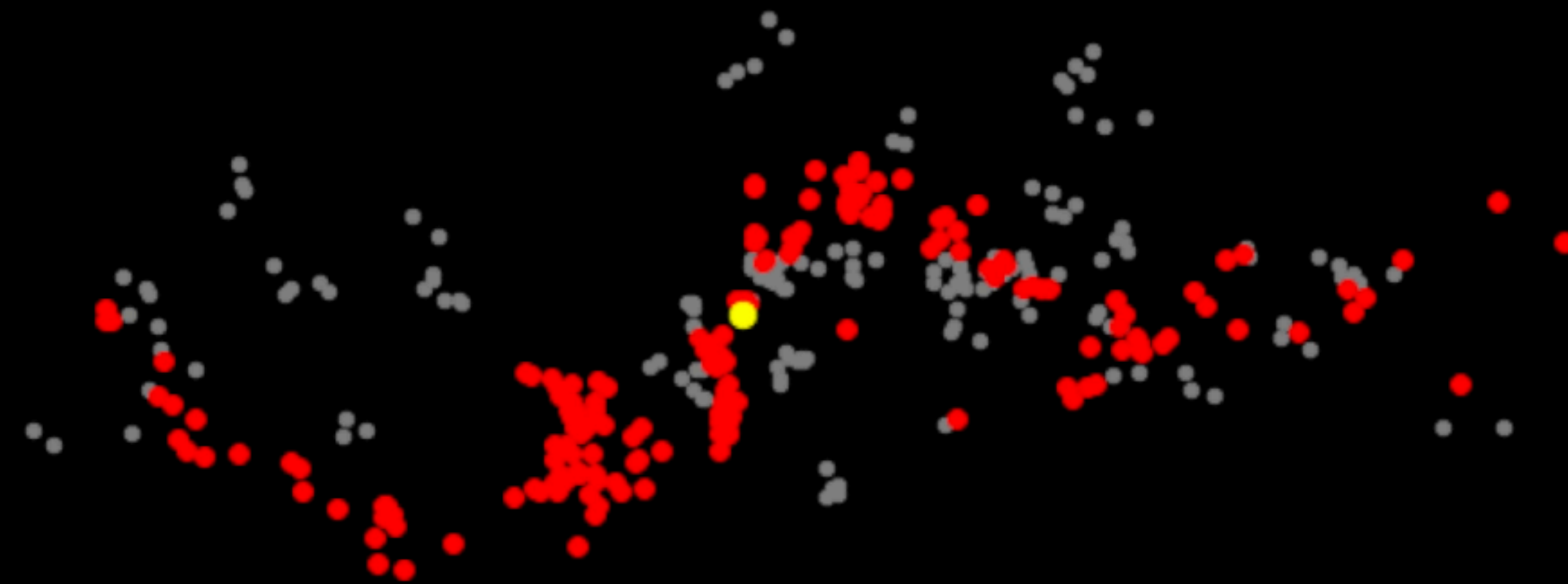


Moving Wave



star-forming regions near the *Solar system* currently spatially located at the zero points of the wave move through the Galactic plane at their greatest vertical velocity, while regions located at spatial extrema are at their kinematic turning point, having no vertical velocity

Standing Wave



star-forming regions near the *Solar system* spatially located at the zero points of the wave are at rest, while regions located at spatial extremes have a vertical velocity component