Worker activation threshold = 0.001 Average distance from queen Variance distance from queen 4.0 2.0 concentration 7 0.335 0.5 concentration 0.335 0.5 1.6 a.r distance Average 8.0 8.0 Variance Worker 0.005 0.17 0.0 0.0 0.05 0.2 0.35 0.05 0.2 0.35 0.5 0.5 Diffusion coefficient Diffusion coefficient