Direct interactions distributions of the 4 density-dependent functions 0.1 0.0 -0.1 **-**-0.2 **-**Density-dependent functions Resulting effect -0.3 function_2 1.0 function_3 function_4 0.5 species j 0.0 --0.5 species i species j 0 10 5 15 10 15 0 Neighbour density