Direct interactions distributions of the 4 density-dependent functions 0.6 alpha_ii alpha_ij 0.3 species i 0.0 -0.3 **-**Density-dependent functions Resulting effect 0.6 function_1 function_2 alpha_ji alpha_jj function_3 0.4 function_4 0.3 species j 0.2 0.1 -0.0 -0.1 species i species j -5 0 10 5 Neighbour density