



Figure 1. Behavior of the indicators along catastrophic vs non-catastrophic transitions in the overharvesting model (Noy-Meir 1975, May 1977). Left: fold bifurcation (abrupt, discontinuous), middle: cusp bifurcation (abrupt, continuous), right: no bifurcation (gradual, continuous). First row: model equilibria depending on the control parameter ( $c$ ; see Table 1 for parameter definition). Second row: dominant eigenvalue of the system. Third row: standard deviation. Fourth row: autocorrelation at lag one. All models and the parameter values used for the simulations are summarized in Table 1.