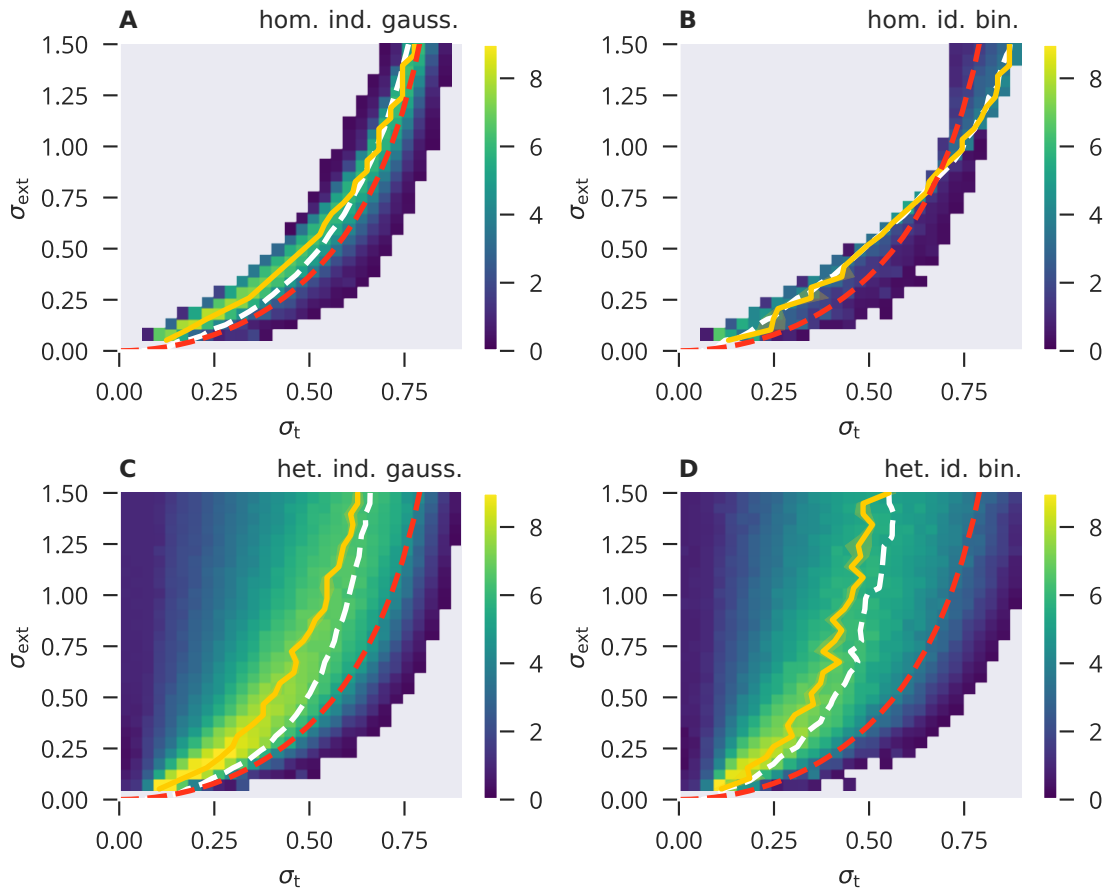

Figure 1: Network performance as defined in (..) for different input types and after adaptation. For the cases where homogeneous/heterogeneous independent Gaussian input was used, the performance was tested with homogeneous/heterogeneous binary input with the same standard deviation σ_{ext}. Yellow line marks optimal performance for a given σ_{ext}. White dashed line corresponds to $R_{\mathrm{a}} = 1$. Red dashed line is the theoretical curve given by equation (..) (the solution $\sigma_{\mathrm{ext}} = \sigma_{\mathrm{ext}}(\sigma_{\mathrm{t}})$ of the Gaussian approximation for homogeneous input, without further simplifications). Performance that was lower than 0.2 was masked in the colormap. Each grid point was averaged over five runs. **A**: Homogeneous independent gaussian input. **B**: Homogeneous identical binary input. **C**: Heterogeneous independent gaussian input. **D**: Heterogeneous identical binary input.