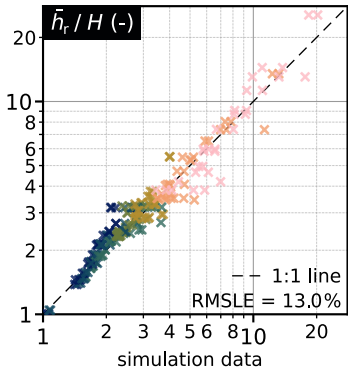


a)

semi-empirical equation

**b)**

semi-empirical equation

