1044-05-203　　　　　**Anne C Sinko*** (`Anne.Sinko@oberlin.edu`), Rice 211, Oberlin, OH 44074, and **Peter J. Slater**. $\mathcal{R}$-*Parametric Chains.*

The standard, well-studied, well-known chain of parameters $\mathrm{ir}(G) \leq \gamma(G) \leq \mathrm{i}(G) \leq \beta(G) \leq \Gamma(G) \leq \mathrm{IR}(G)$ arises from the observations that an independent set is maximally independent if and only if it is dominating, and a dominating set is minimally dominating if and only if it is irredundant. We observe that these parameters are defined relative to the edge set $E(G)$. By considering two natural extensions of independence and varying the collection $\mathcal{R} = \{R_1, R_2, ..., R_t\}$ of subsets of the vertex set relative to which these notions of "independence" are defined results in several generalized $\mathcal{R}$-parametric chains. (Received September 01, 2008)