

Definition. A *monotone design problem* (DP) is a tuple $\langle \mathbf{F}, \mathbf{R}, h \rangle$ such that \mathbf{F} and \mathbf{R} are CPOs, and $h : f \rightarrow \mathcal{A}\mathbf{R}$ is a monotone and Scott-continuous function ([gierz03continuous] or [censi16codesign_sep16]).