

$$\text{Unc}(\mathbf{d}) : \text{Int}(\mathbf{F})^{\text{op}} \times \text{Int}(\mathbf{R}) \xrightarrow{\text{Pos}} \text{Bool}$$

$$\langle [f_{\text{L}}, f_{\text{U}}]^*, [r_{\text{L}}, r_{\text{U}}] \rangle \mapsto \mathbf{d}(f_{\text{L}}^*, r_{\text{L}}) \wedge \mathbf{d}(f_{\text{U}}^*, r_{\text{U}}).$$