10.2: Isomorphous replacement
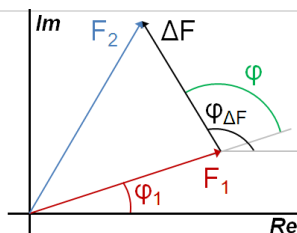

Figure: Principle of the isomorphous replacement method for structure solution. F_1 and F_2 represent the total structure factor from two isomorphous crystals for a given reflection, ΔF is their difference. The angles φ_1 and $\varphi_{\Delta F}$ are the phases of F_1 and ΔF, they are related via φ.