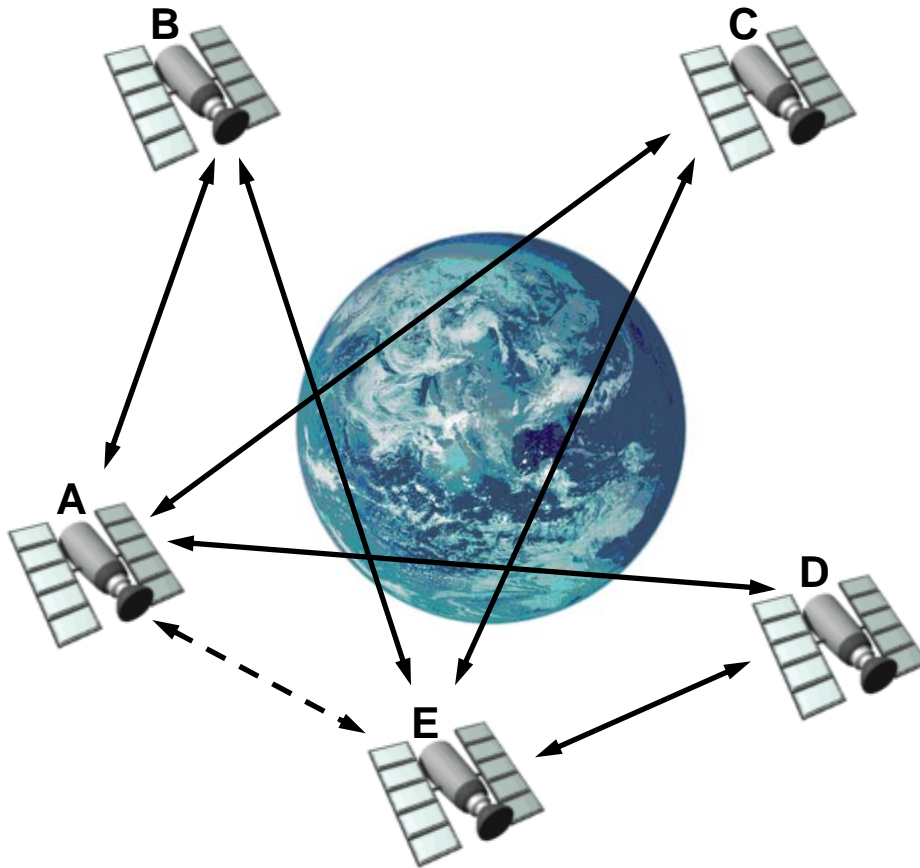


Comparability without common reference



Linear calibration functions:

$$B \rightarrow A: f_{A|B}(Y_B) = K_{AB} \cdot Y_B + D_{AB}$$

$$A \rightarrow B: f_{B|A}(Y_A) = K_{BA} \cdot Y_A + D_{BA}$$

$$K_{BA} = 1 / K_{AB}$$

$$D_{BA} = -D_{AB} / K_{AB}$$

Consistency checks:

$$f_{A|B}(f_{B|E}(f_{E|C}(Y_C))) \approx f_{A|C}(Y_C)$$

$$\xi(\Delta) = |\Delta|/u(\Delta)$$

$$\xi(f_{A|B}(f_{B|E}(f_{E|C}(Y_C))) - f_{A|C}(Y_C)) \leq \kappa$$