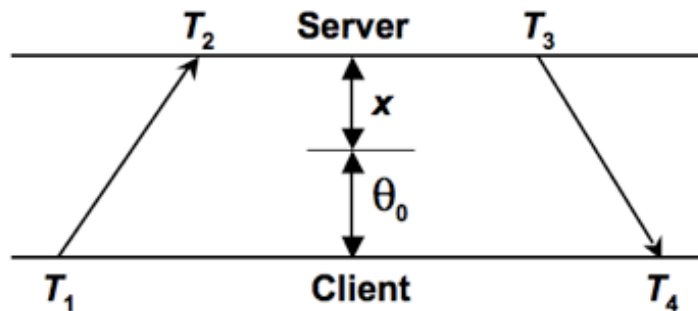
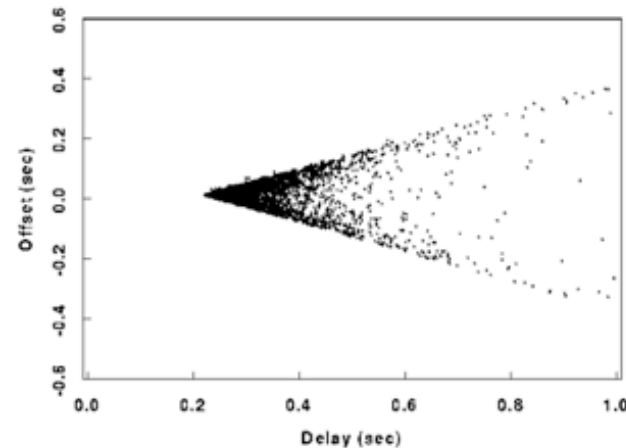


Network Time Protocol

Clock filter algorithm



$$\theta = \frac{1}{2} [(T_2 - T_1) + (T_3 - T_4)]$$
$$\delta = (T_4 - T_1) - (T_3 - T_2)$$



- The most accurate offset θ_0 is measured at the lowest delay δ_0 (apex of the wedge scattergram).
- The correct time θ must lie within the wedge $\theta_0 \pm (\delta - \delta_0)/2$.
- The δ_0 is estimated as the minimum of the last eight delay measurements and (θ_0, δ_0) becomes the peer update.
- Each peer update can be used only once and must be more recent than the previous update.