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RTT = Round Trip Time
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T(RTT) = Total Round Trip Time

OTT = Object Transfer Time

FTT = File Transfer Time

Object = Number of Object(s)

RTT = (Send + Receive) or
$$(x + y)$$

Persistent HTTP:

 $T(RTT) = (Object \times RTT) + RTT or (Object + 1) \times RTT$

OTT = Object x Object Time

$$FTT = T(RTT) + OTT$$

or

Non-persistent HTTP:

 $T(RTT) = Object \times (2 \times RTT)$

OTT = Object x Object Time

$$FTT = T(RTT) + OTT$$

or

Pipelining HTTP:

Effective Object = (Object/Pipeline Size)

T(RTT) = (Effective Object x RTT) + RTT or (Effective Object + 1) x RTT

OTT = Effective Object x Object Time

$$FTT = T(RTT) + OTT$$

or