## How is delay variation (jitter) measured?

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Delay variation (Jitter) is calculated during tests according to RFC 3550 method:

$$Ji = Ji-1 + (|Di-1,i| - Ji-1)/16$$

## Where

- Ji measured delay variation at i-th iteration.
- Di-1,i difference of receiving times of two consecutive test requests.

$$Di-1,i = (Ri-1 - Si-1) - (Ri - Si)$$

R – test request generation time, S – test request receive time.

During U7-type (UDP-echo) test the variation of round-trip time is measured, using the local time of originating IQM agent.

During U0-type test the variations of one-way trip delays are measured in both directions. Originating agent's local time is used for test timestamp, receiving agent's local time is used for packet delivery time.