

Design and construction of time delay autocorrelator

Lantu, author

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=89070&lokasi=lokal>

Abstrak

ABSTRAK

The design and construction of eight-bit tune delay autocorrelator is discussed, suitable for use in photon correlation experiments. The sampling time of the correlator can be varied from 1 usec to 100/usec, divide into a number (typically 256) channels (time interval). The instruments records the number of pulses occuring in each sampling time and is stored in location memory in a RAM-BANK. The data is stored in binary form,

the data can be converted to analog form by digital to analog converter and is displayed on an oscilloscope.