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Introduction

How to Use Th

Categories

Trademarks

The Authorita

Abstracts and

Non-IEEE St

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Page 2 of 3

burst duty factor

The right-hand side of the window marks the burst leading-edge time.

c) The burst trailing edge time is found by a similar procedure. The window is slid to the right past its position in (A) until the trace disappears from the window. The lefthand side of the window marks the burst trailing-edge

d) Terms used in defining a burst: burst leading-edge time, t_1 ; burst build-up interval, $t_2 = t_1$; burst rise interval, $t_3 = t_2$; burst rise interval, $t_3 = t_3$; burst rise interval, $t_3 = t_1$; burst rise interval, $t_3 = t_2$; burst rise interval, $t_3 = t_3$; burst rise interval, $t_3 =$ t_1 ; burst trailing-edge time, t_5 ; burst decay interval, $t_5 =$ t_3 ; burst fall-off interval, $t_5 - t_4$; burst duration, $t_5 - t_1$; upper burst reference, U; lower burst reference, L; longtime average power, P.

See also: burst.



Plot of instantaneous magnitude versus time to illustrate terms used in defining a burst.

burst duration

(SP) 257-1964w, [32] burst duty factor (audio and electroacoustics) The ratio of the average burst duration to the average spacing. Note: This is equivalent to the product of the average burst duration and the burst repetition rate. See also: burst.

burst error In data communications, a series of consecutive errors in data transmission that tend to be grouped together, with a longer time interval separating multiple bursts.

burst fall-off interval (audio and electroacoustics) The time interval between the instant at which the upper burst reference is last equaled and the burst trailing edge time. See also: burst.

burst flag (television) A keying or gating signal used in forming (SP) 257-1964w, [32] the color burst from a chrominance subcarrier source. See also: television.

burst gate (television) A keying or gating device or signal used to extract the color burst from a color picture signal. See also: burst keying signal See: television; burst flag. (BT/AV) [34]

burst leading-edge time (audio and electroacoustics) The

stant at which the instantaneous burst magnitude finite the lower burst reference. See also: burst.

(SP) 257-1964w.[] burst measurements See: energy-density spectrum. burst measurements over the system of burst mode (1) A mode of transmission by which a system of burst mode (1) A mode of transmission by which a system of burst mode (1) A mode of transmission by which a system of the system send a burst of data at higher speed for some period of a

(2) An operational mode in which an end node may sender or more packets each time it is granted permission to the mit.local area networks.

burst-quiet interval (audio and electroacoustics) The times terval between successive bursts during which the instance neous magnitude docs not equal the upper burst reference

burst repetition rate (audio and electroacoustics) The me (SP) 257-1964w,[1] age number of bursts per unit of time. See also: burst

burst rise interval (audio and electroacoustics) The time is (SP) 257-1964w, [32] terval between the burst leading-edge time and the instant which the peak burst magnitude occurs. See also: burst.

burst safeguard interval (audio and electroacoustics) A time (SP) 257-1964w, [32] interval of selected length during which excursions below the lower burst reference are neglected, it is used in determinate those instants at which the lower burst references are first an last equaled during a burst. See also: burst.

burst spacing (audio and electroacoustics) The time interva (SP) 257-1964w. [32] between the burst leading-edge times of two consecutive bursts. See also: burst. burst trailing-edge time (audio and electroacoustics) Their-(SP) 257-1964w, [32] stant at which the instantaneous burst magnitude last equals the lower burst reference. See also: burst.

burst train (audio and electroacoustics) A succession of similar bursts having comparable adjacent burst-quiet intervals

bus (1) A three-phase junction common to two or more ways (SP) 257-1964w, [32]

(2) (signals and paths) (microcomputer system bus) A sig-(SWG/PE) C37.71-1984r nal line or a set of lines used by an interface system to connect a number of devices and to transfer data.

(MM/C/IM/AIN) 796-1983r, 488.1-1987r, 1000-1987r

(3) One or more conductors used for transmitting signals of power from one or more sources to one or more destinations.

(4) (simple 32-bit backplane bus) A set of signal lines to which a number of devices are connected and over which information is transferred between them.

(5) (hydroelectric power plants) A conductor or group of electrical conductors serving as common connections between circuits, generally in the form of insulated cable, rigid rectangular or round bars, or stranded overhead cables held under tension. (6) The concatenation of the transmission links between (PE/EDPG) 1020-1988r nodes and the data path within nodes that provides unidired tional transport of the digital bit stream from the Head of Bus function past the access unit (AU) of each node to the end of (7) One or more conductors that are used for the transmission (LM/C) 8802-6-1994 of signals, data, or power. See also: address bus; data chain bus; data bus; memory bus; control bus; bidirectional bus; time-multiplexed bus. (8) A conductor, or group of conductors, that serves as a common connection for two or more circuits.

(9) In PDEF, a physical collection of nets and/or pnets, or of (SWG/PE) C37.100-1992 pins and/or nodes. If the items collected in the PDEF bus are logical, the PDEF bus may or may not correspond to a logical bus described in the netlist. (C/DA) 1481-1999

bus address

bus address A label used to define a device in a bus environment wher common data path.

bus bar A common metallized region and interdigital transducer fingers a for external circuit connection via

bus-based architecture A computer components such as processors, pe ory are interconnected by one or m bus-based architecture.

bus bridge A bus bridge is an intercon buses that provides signal and pro bus to another. The buses may ad dards for mechanical, electrical, an as a bus bridge from Futurebus+ (ID.

(C/BA) 10857-1994, 89 8

hus clock cycle An amount of time e riod, nominally 100 ns.

bus cycle (1) (general system) (mic The process whereby digital signal: bytes or words across the interface I sequence of control signals. Interl quence of events in which one evi next event can occur.

(2) (696 interface devices) (signa sequence of electrical events requi of data on the bus. A bus cycle c states.

bus-dependent (1) A term used to des vary among different bus standards Although the CSR Architecture ma of these fields, their detailed defin appropriate bus standard.

(2) This term is used to describe 1 rameters. Although the CSR Archite and address of these parameters, tl

is provided by the appropriate bus

bus driver (A) A device capable of p to drive all loads connected to a (B) A device that controls access to

Bus Error BSE bit A bit in the Slav S-module that is set by the S-mod recorded in the Bus Error register.

Bus Error register A status register plemented in the MTM-Bus interf module. Bits in this register provid ability to record error conditions transmission. The register may be in ule. Some bits in the register are specific uses.

bushing (1) (rotating machinery) (el mit passage of a lead through a frai (2) An insulating structure includin Providing a passageway for such a for mounting on a barrier, conduct purpose of insulating the conductor ducting current from one side of the (SWG/PE/NESC/TR/PSIM) C

(3) (relay) See also: relay spring s bushing condenser The component w

bushing in which the grading elen major insulation.