Record Nr. UNINA9910147227903321 Titolo IEEE Standard on Transitions, Pulses, and Related Waveforms: IEEE Std 181-2003 / / IEEE Instrumentation and Measurement Society Subcommittee on Pulse Techniques New York, NY:,: Institute of Electrical and Electronics Engineers,, Pubbl/distr/stampa 2003 **ISBN** 0-7381-3571-2 Descrizione fisica 1 online resource (viii, 54 pages): illustrations Collana Institute of Electrical and Electronics Engineers Disciplina 621.381534 Soggetti Pulse techniques (Electronics) Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia This standard presents approximately 100 terms, and their definitions, Sommario/riassunto for accurately and precisely describing the waveforms of pulse signals and the process of measuring pulse signals. Algorithms are provided for computing the values of defined terms that describe measurable parameters of the waveform, such as transition duration, state level, pulse amplitude, and waveform aberrations. These analysis algorithms are applicable to two-state waveforms having one or two transitions connecting these states. Compound waveform analysis is accomplished by decomposing the compound waveform into its constituent two-state single-transition waveforms.