

Virtual Prototyping and Accelerated Testing Techniques

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Abstract

Virtual prototyping (VP) technique has been studied and implemented in recent years in engineering design. Reliability tests are often indispensable. The material properties, needed in design, can only sometimes be found in data sheets. If they are not available, they must be obtained by testing. Accelerated testing techniques are a powerful tool for electronic-systems designers to improve electronic-design reliability.

Keywords: virtual prototyping, bathtub curve, failure rate, infant mortality, wear out, fewer customer returns

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