

The Design and Usage of Cane: A Preliminary Report

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Cane is one of the most popular mobility devices since it's cheap and easy to be used and carried. However, it was found some failures due to the design or the material problem. This report analyzed the causes of failure in use and also discussed the international standard specifications for different types of cane. The methods of material test and requirements of performance for cane based on the international standards were also discussed, including the static loading and cyclic loading tests for all types of cane, and the temperature/humidity cycling and stability tests for tripod walking stick and tetrapod walking stick. (FJPT 2004; 29(1):54-60)

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