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### Jin AN EVALUATION OF THE BFD CURVE BASED UPON WOOD CRIB FIRES PERFORMED IN AN ISO9705 ROOM

#### ABSTRACT

The BFD curve fitting method of Barnett is adopted to study the compartment temperature-time curves for a series of wood crib nominal fire sizes were 0.15 MW, 0.25 MW, 0.5 MW, and 1.0 MW corner or the center of the floor of the room. The temperatures measured using two thermocouple trees with 10 thermocouples c compartment temperature from floor to ceiling. No flashover occ compartment temperature can be well described by a two-zone n performed for all 20 temperature-time curves in the upper and Ic each test. The fitting error is evaluated for all tests. This empiri verify and optimize.

**KEYWORDS** 

compartment temperature, wood crib fire, ISO 9705 Room, BFD PAPER SUBMITTED: 2009-05-08 PAPER REVISED: 2009-08-30 PAPER ACCEPTED: 2009-08-30 DOI REFERENCE: 10.2298/TSCI1002521X CITATION EXPORT: view in browser or download as text file THERMAL SCIENCE YEAR 2010, VOLUME 14, ISSUE 2, PAGES [52 REFERENCES [view full list]

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