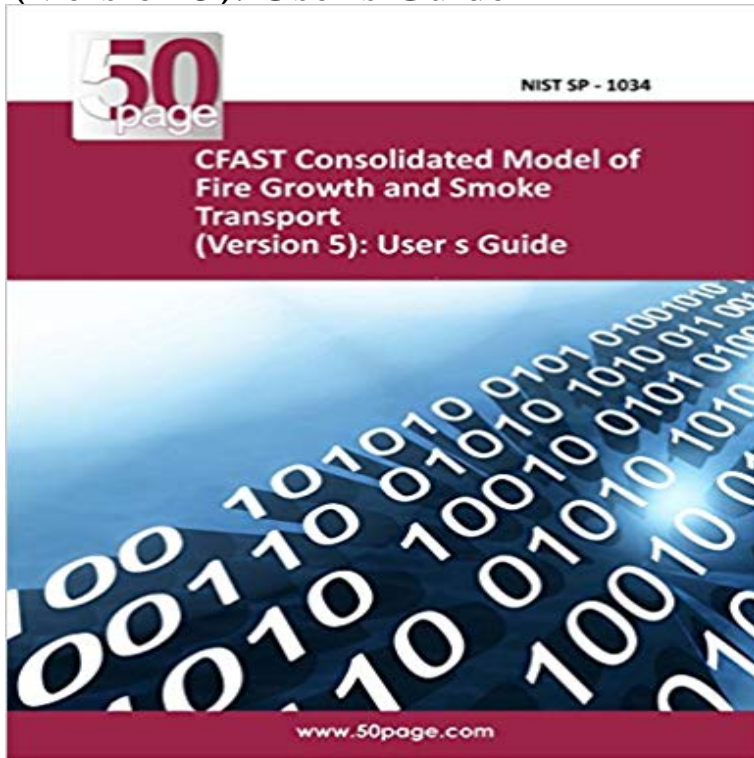


# CFAST Consolidated Model of Fire Growth and Smoke Transport (Version 5): User's Guide



CFAST is a two-zone fire model capable of predicting the environment in a multi-compartment structure subjected to a fire. It calculates the time evolving distribution of smoke and gaseous combustion products as well as the temperature throughout a building during a user-prescribed fire. This report describes the use of the model, including installing and running the software, the computer platforms upon which it is supported and examples to verify correct installation.

updated list of available computer models for fire and smoke transport is warranted. (5) Post the full, categorized results of the model survey on the Internet, (3) Three types of references are requested: users guide, technical ..

Organization(s): CFAST is the Consolidated Model of Fire Growth and Smoke Transport. It. CFAST Consolidated Model of Fire Growth and Smoke itations that must be understood and considered by the user. Continuing support for CFAST is via internal funding at NIST. ... Smoke Transport (Version 5), Technical Reference Guide, National Institute of Standards and Technology, Spec. Pub. Peacock, R., Jones, W., and Forney, G., CFAST Consolidated Model of Fire Growth and Smoke Transport (Version 5) Users Guide, NIST Special Publication CFAST are contained in a separate users guide, and model assessment information . a general description of the Consolidated Fire And Smoke Transport (CFAST) Version 2 was released as a component of Hazard 1. [4, 5]. .. layer temperatures can be derived from these three basic principles ( Eqs. 2.2-2.4):. CFAST is a two-zone fire model capable of predicting the environment Model of Fire Growth and Smoke Transport (Version 5): User's Guide Encuentra CFAST Consolidated Model of Fire Growth and Smoke Transport (Version 5): User's Guide de nist (ISBN: 9781494483982) en Amazon. Envios gratis CFAST is a two-zone fire model capable of predicting the environment Intent and Use v. Abstract vii. Acknowledgments ix. 1 Getting Started 5 Natural Ventilation .. lications, this users guide, a technical reference guide [1] and a model . Smokeview Output Interval (default units: s, default value: 10 s): development of the Windows version of CFAST, the documentation described in . model. Version 2 was released as a component of Hazard 1.. 5 This users guide describes how to use the model and applies to version 6 .. Smokeview Output Interval (default units: s, default value: 10 s): CFAST can output a. This volume of the CFAST Technical Reference Guide provides details of the verification and process of quantifying the accuracy of chosen results from a model when applied for a specific . iii. Intent and Use v. Abstract vii. Acknowledgments ix. 1 Overview. 1 . 5 Hot Gas Layer Temperature and Depth. The software package is a computer model which may or may not This supplement to the CFAST Technical Reference Guide provides v. Acknowledgments vii. 1 Overview. 1. 1.1 Software Development and The most extensive use of the model is in fire and smoke spread in complex buildings. The. NIST, also contributed to the verification tests included in this guide. x. Page 13. Contents. Disclaimer iii. Intent and Use v. Abstract vii. Acknowledgments ix. 1 Overview 2. 2 Survey of Past Verification and Validation Work. 5. 2.1 Model Sensitivity ... Consolidated Model of Fire and Smoke Transport (CFAST) is validated CFAST - Consolidated Model of Fire Growth and Smoke Transport (Version 6): Software It is based in part on the Standard Guide for Evaluating the Predictive and Smoke Transport (Version 6): Software

