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Autore	Remaley Tom
Titolo	Princess tree // Tom Remaley
Pubbl/distr/stampa	[Washington, D.C.] : , : Plant Conservation Alliance, Alien Plant Working Group, , 2005
Descrizione fisica	1 online resource (3 pages) : color illustrations, maps
Collana	Fact sheet / Plant Conservation Alliance
Soggetti	Paulownia tomentosa - United States Invasive plants - United States Noxious weeds - United States Plant conservation - United States Native plants for cultivation - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"20 May 2005."
Nota di bibliografia	Includes bibliographical references (page 3).

2. Record Nr.	UNINA9911004818303321
Titolo	Performance-based design of structural steel for fire conditions : a calculation methodology / / prepared by the Special Design Issues-- Fire Protection Committee of the Structural Engineering Institute of the American Society of Civil Engineers ; edited by David L. Parkinson, Venkatesh Kodur, Paul D. Sullivan
Pubbl/distr/stampa	Reston, VA, : American Society of Civil Engineers, : Structural Engineering Institute, c2009
Edizione	[1st ed.]
Descrizione fisica	viii, 124 p. : ill
Collana	ASCE manuals and reports on engineering practice ; ; no. 114
Altri autori (Persone)	ParkinsonDavid L KodurVenkatesh SullivanPaul D (Paul David)
Disciplina	693.8/2
Soggetti	Building, Fireproof - Mathematics Building, Iron and steel - Mathematics Structural engineering - Mathematics Steel, Structural - Mathematical models Buildings - Performance - Mathematical models Engineering mathematics Numerical calculations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references (p. 119-122) and index.
Nota di contenuto	Intro -- CONTENTS -- FOREWORD -- 1 DESIGN MANUAL -- 1.1 Selection of Compartments or Areas to Design -- 1.2 Determination of Compartment Fuel Loads -- 1.3 Predicted Compartment Fire Time-Temperature Relationship -- 1.4 Predicted Steel Time-Temperature Relationship -- 1.5 Worked Example -- 2 CURRENT APPROACH TO STRUCTURAL FIRE SAFETY -- 2.1 History of the Standard Test Methods -- 3 THE PERFORMANCE-BASED DESIGN PHILOSOPHY -- 4 FIRE SCENARIO DEVELOPMENT -- 4.1 Compartment Fires -- 4.2 Ventilation-Controlled Vs. Fuel-Controlled Fires -- 4.3 Room Fuel Load -- 5 FULLY DEVELOPED FIRE MODELING -- 5.1 T-Equivalent Concept -- 5.2 Parametric Fire Curves -- 6 BASIC CONCEPTS OF STRUCTURAL FIRE

DESIGN -- 6.1 Role of the Structural Engineer Vs. the Fire Protection Engineer -- 6.2 Specific Calculation Requirements -- 6.3 Behavior of Steel under Fire Conditions -- 6.4 Critical Temperatures -- 6.5 Time-Temperature History of Fire-Exposed Members -- 7 FUTURE WORK -- APPENDIX A: REVIEW OF THE STANDARD TEST -- A.1 Influence of Standard Fire Test Time-Temperature Curve on Test Specimen -- A.2 Influence of Loading and Restraint of the Structural Member in the Test Chamber -- A.3 Influence of Material Properties -- A.4 Influence of Furnace Construction -- APPENDIX B: DERIVATION OF ROOM FUEL LOAD EQUATION -- APPENDIX C: FUNDAMENTAL HEAT BALANCE EQUATIONS FOR A COMPARTMENT FIRE -- C.1 Fundamental Heat Balance Equation -- C.2 q_R : Rate of Radiative Heat Loss through the Ventilation Opening -- C.3 q_W : Rate of Heat Loss through Compartment Boundaries -- C.4 q_L : Rate of Convective Heat Loss Out Opening -- C.5 q_C : Rate of Combustion Heat Release -- APPENDIX D: CALCULATION OF PLENUM TEMPERATURE FOR STRUCTURAL STEEL PROTECTED BY A SUSPENDED CEILING -- D.1 Calculation of Plenum Temperatures -- REFERENCES -- INDEX -- B -- C -- D -- E -- F -- H -- I -- L -- M -- N -- O -- P -- R. S -- T -- V.

Sommario/riassunto

MOP 114 presents a new method developed to improve the design of structural steel for fire conditions.
