Computer Models
For
Fire and Smoke

Model Name:	SISMEF
Version:	3.0
Classification:	Thermal model
Very Short Description:	Numerical model of mechanical behavior of steel and concrete composite structures exposed to fire
Modeler(s), Organization(s):	ZHAO Bin, CTICM
User's Guide:	-----
Technical References:	-----
Validation References:	-----
Availability:	non-commercial
Price:	uncommercial compute code
Necessary Hardware:	Work station, PC
Computer Language:	FORTRAN
Size:	-----
Contact Information:	ZHAO Bin, Tel: 33 1 30 85 20 73, Fax: 33 1 30 85 25 30, E-mail:binzhao@cticm.com

Detailed Description:

This model is capable of simulating mechanical behavior of 2D planar steel, concrete and composite frames exposed to fire. It takes into account large displacement, material non-linearities, slipping between steel beam and concrete slab, bond effect of composite columns with concrete filled hollow steel sections, semi-rigid joints and spring boundary conditions.