# Computer Models For Fire and Smoke

*Model Name*:                          CMPST

*Version*:                             2.0

*Classification*:                      Thermal model

*Very Short Description*:              Calculation model of mechanical resistance of sections at elevated temperatures

*Modeler(s), Organization(s)*:         ZHAO Bin, CTICM

*User's Guide*:                        -----

*Technical References*:                -----

*Validation References*:               -----

*Availability*:                        not available

*Price*:                               uncommercial compute code

*Necessary Hardware*:                  Work station, PC

*Computer Language*:                   FORTRAN

*Size*:                                -----

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*Detailed Description*:

This model is capable of evaluating different mechanical resistances of any section with any temperature field, such as normal resistant force, bending moment resistance