

Thermodynamic Software in Japanese Market

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ABSTRACT

RCCM, the Research Center of Computational Mechanics, was established in 1982 and has been doing software sales, program development, calculation and analysis. The software fields covered are structure, mechanics, CFD (computational fluid dynamics), thermal & welding analysis, civil engineering & construction, medical field, mesh generator, fluid acoustics and thermodynamics.

In the year 2001, RCCM entered into an exclusive distributor agreement with GTT for FactSage and related products in Japanese market. Since then we have been doing particular marketing activities in order to propagate FactSage on the Japanese market, such as making Japanese tutorial guide, Japanese training course, Japan workshop and Japanese customer support on-line in our Web Page. The number of FactSage user licenses in Japan is now exceeds more than 130.

We are also handling FactSage related products, like ChemSheet, ChemApp, SimuSage and KilnSimu. Since we are handling CFD as calculation analysis, we can link CFD tools with ChemApp in order to do complex calculations involving thermodynamics in CFD. We introduce one example of calculation which simulates chemical species concentration change in the thermo-fluid contained in a Halogen Lamp. This simulation was asked for by a Japanese lamp manufacturer.