

多元系状態図計算ソフトウェア

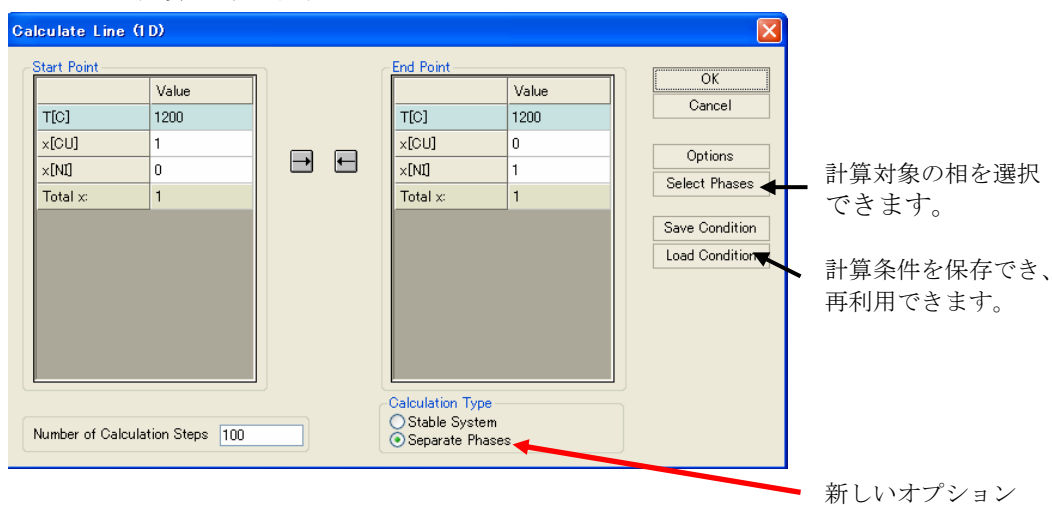
Pandat 6.0 新機能のご紹介

組成-自由エネルギー曲線を容易に表示できるようになりました。

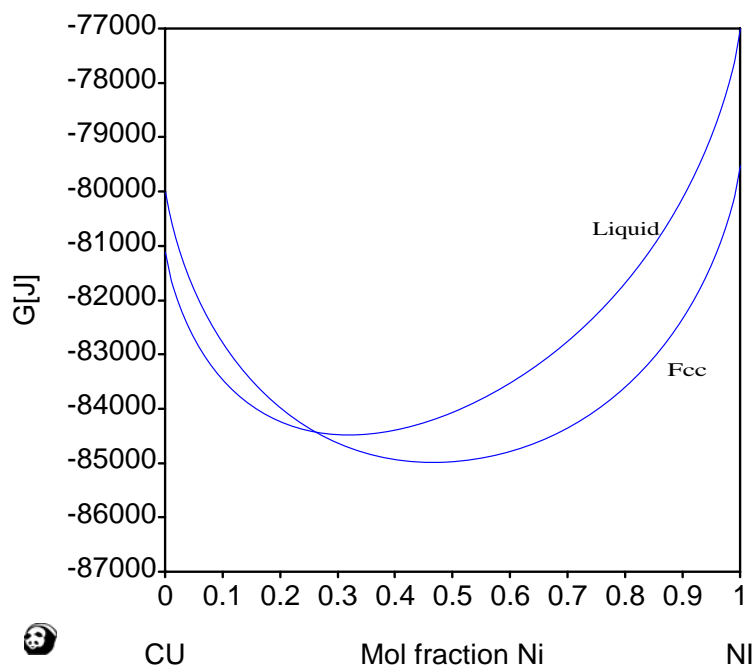
曲線の重ね合わせも自動的行われます。

例： Cu-Ni 二元系 温度 1200°C

ライン計算 指示画面



計算結果 (データベースは MDTCu を利用した)



New Features of Pandat 6.0 (November, 2006)

A number of important new features and upgrades are available in this version of Pandat. Specifically, Pandat version 6.0 sees the release of new functions such as the calculation of thermodynamic, thermo-physical, and kinetic properties. These new functions enable a range of exciting new applications. The highlights are:

Thermodynamic Property – Thermodynamic properties can now be calculated and accessed through the **Create and Edit Table** window. Reference states can also be assigned to each thermodynamic property.

Thermo-Physical Property – Thermo-physical properties such as molar volume, density, surface tension and viscosity can now be calculated and accessed through the **Create and Edit Table** window.

Kinetic Property – Kinetic properties such as tracer (self, impurity), chemical and inter-diffusivities can now be calculated and accessed through the **Create and Edit Table** window.

Tables – The table function has been enhanced. The user can create a new table by selecting variables or functions from the built-in list in the **Create and Edit Table** window. Tool bars have been added for helping the creation of new tables or editing existing tables. Editable table like a worksheet is also available.

Graphs – A local range can be defined on a triangle diagram.

User Interface – Enhanced text editor with keyword highlights for *.TDB and *.PBF files. Other functions including comment/uncomment blocks, changing cases and showing line numbers are also available in this version. Different types of tree-nodes in Pandat Explorer window were decorated in different icons. The “**delete**” function was available for the nodes of calculation results.

Other improvements include invariant reaction table for liquidus projection, latent heat for Scheil solidification simulation, bug fixing, etc.