## **OPTEX MATHEMATICAL MODELING SYSTEM:**

## THE META-FRAMEWORK FOR MATHEMATICAL PROGRAMMING

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Abstract

What Optimization technology should I choose?Use OPTEX that includes all of them in just one algebraic formulation.

OPTEX MATHEMATICAL MODELING SYSTEM separates the algebraic formulation of the source code of any language programming and generates mathematical models in C or others modeling languages as GAMS, IBM-OPL, MOSEL, AIMMS and AMPL.

OPTEX supports every stage of mathematical modeling process; data model definition and validation, algebraic model definition (with its own unique database algebraic language), numerical model generation, problem solution (with third party solvers) and results visualization (with third party software). Due to its relational data base nature, OPTEX generates SQL statements to connect any information system.