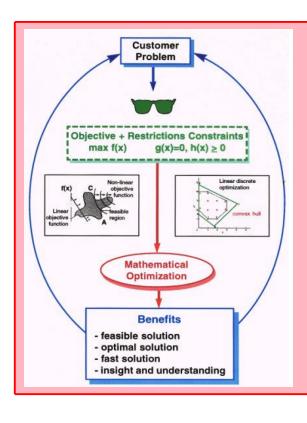
Introduction: Models, Model Building and Mathematical Optimization

The Importance of Modeling Langauges for Solving Real World

Problems

Josef Kallrath

Structure of the Lecture:



- * the Modeling Process,
- * survey of Real World Problems,
- * mathematical background (solution algorithms),
- * efficient problem solving & good modeling practice,
- * mathematical modeling & optimization in practice,
- * practioners`s requirements towards modeling languages