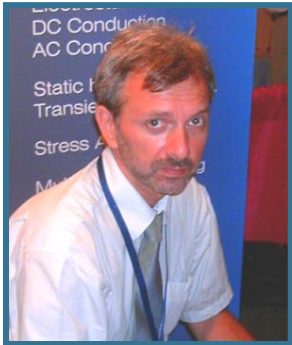




Programming with QuickField

Part 2



Vladimir Podnos,
Director of marketing and support, Tera Analysis Ltd.

Programming with QuickField

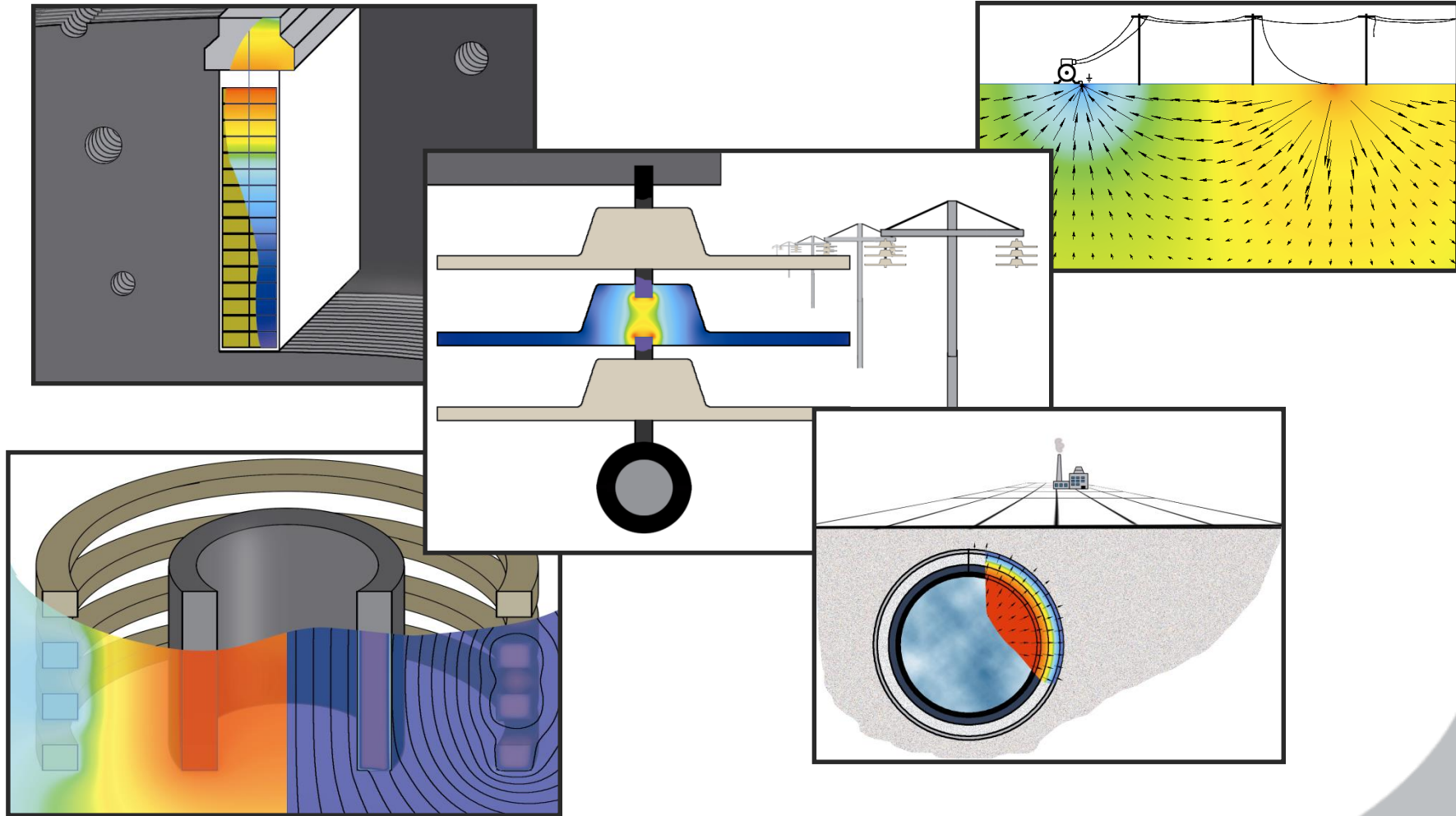


Alexander Lyubimtsev
Support engineer, Tera Analysis Ltd.

Practical example: thermostat control system



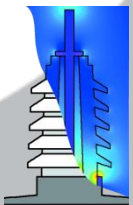
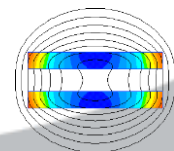
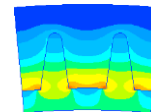
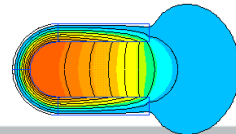
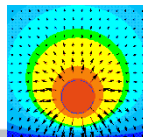
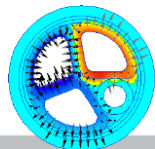
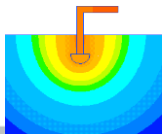
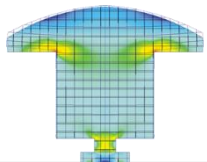
QuickField is a FEA for EM, heat transfer, stress and mutliphysics



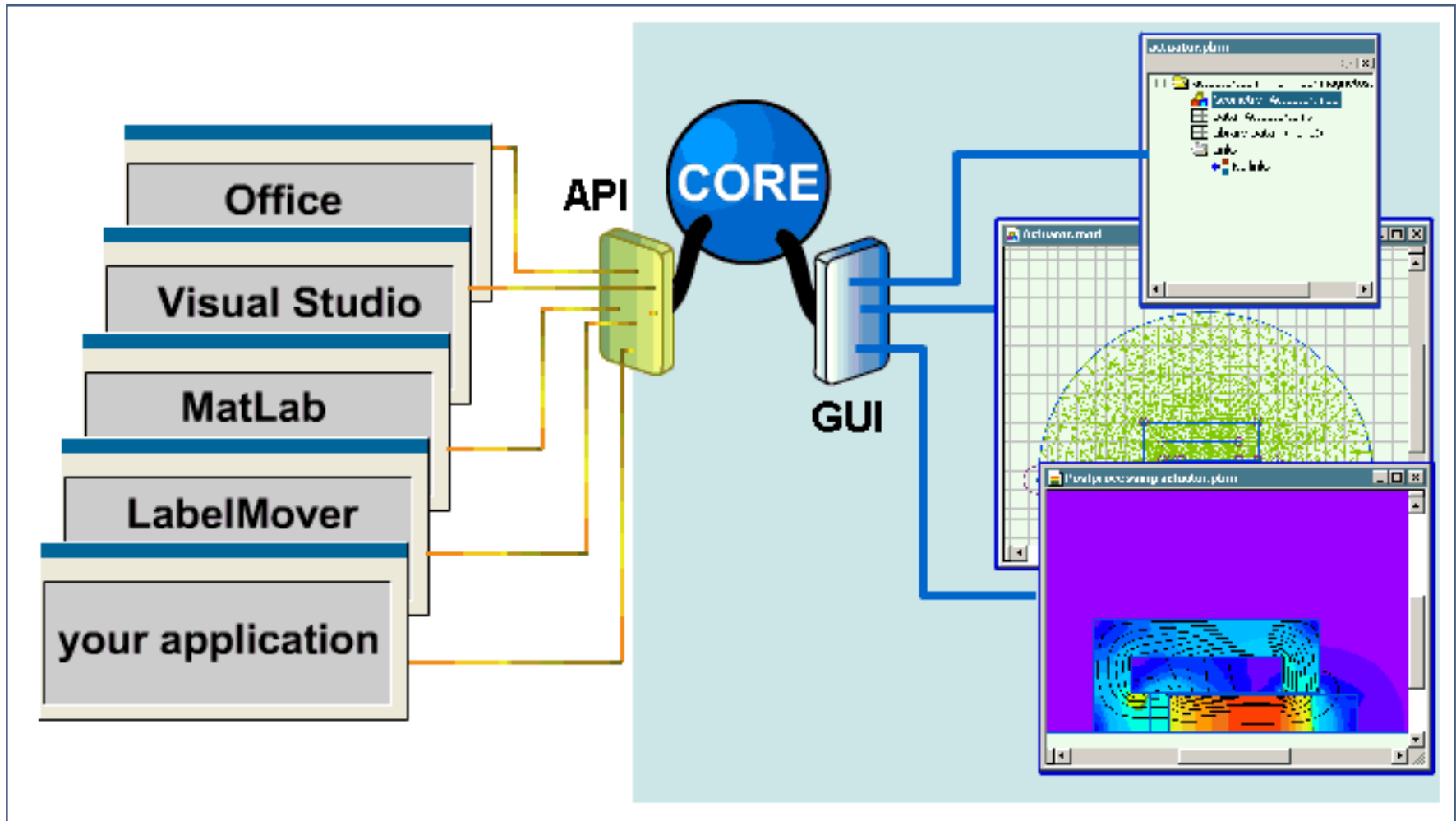


QuickField Analysis Options

Magnetic analysis suite	
Magnetic Problems	Magnetostatics
	AC Magnetics
	Transient Magnetics
Electric analysis suite	
Electric Problems	Electrostatics and DC Conduction
	AC Conduction
	Transient Electric field
Thermostructural analysis suite	
Thermal and mechanical problems	Steady-State Heat transfer
	Transient Heat transfer
	Stress analysis



Open object interface





ActiveField API object model

ActiveField™ help

[Main QuickField Site](#)

[Free Downloads](#)

[Contacts](#)

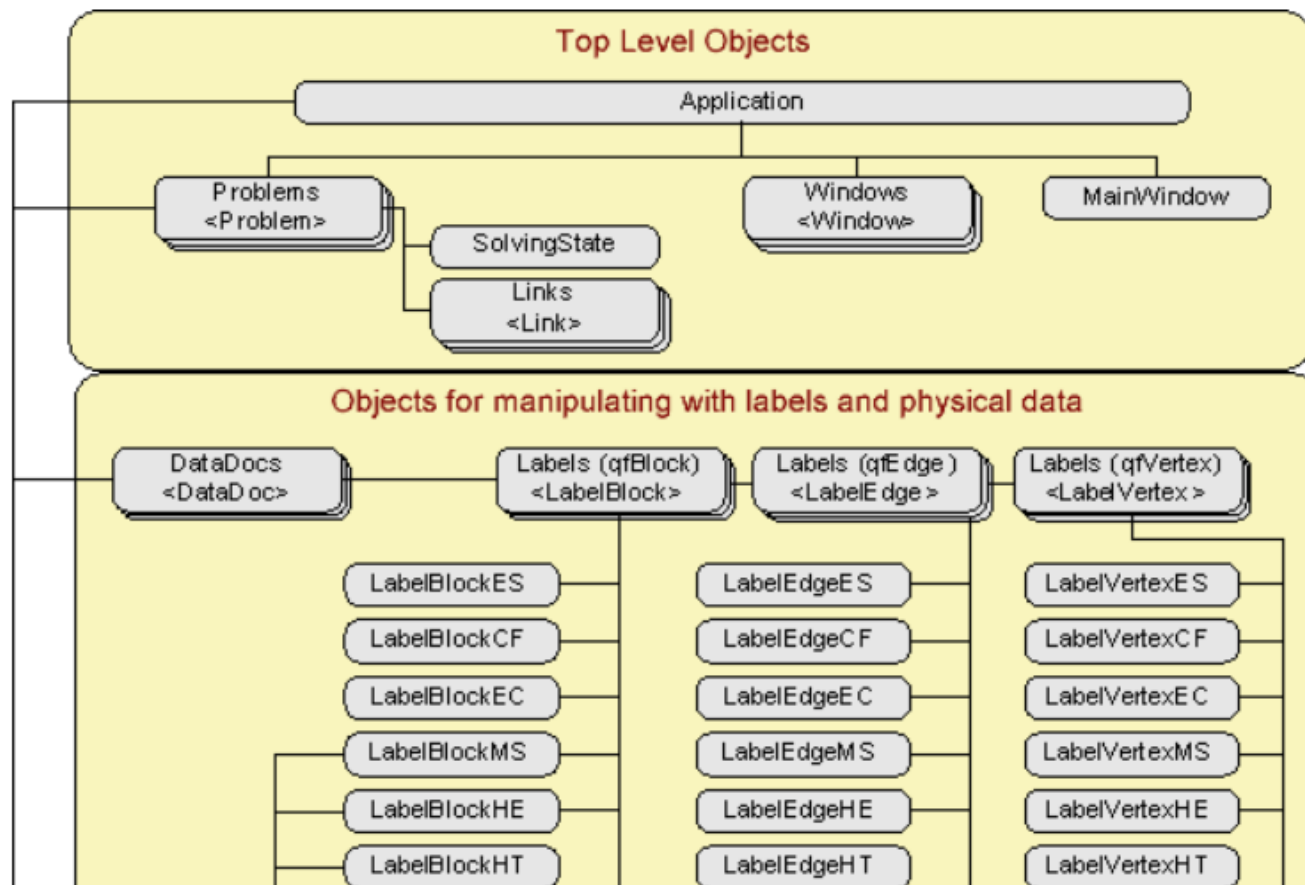
- ActiveField Technology
- Objects Overview
- Hierarchy Chart
- How to Start: Application Object
- How to work with Problems
- How to work with Model
- How to work with Data
- How to Analyze Results

Objects

Properties

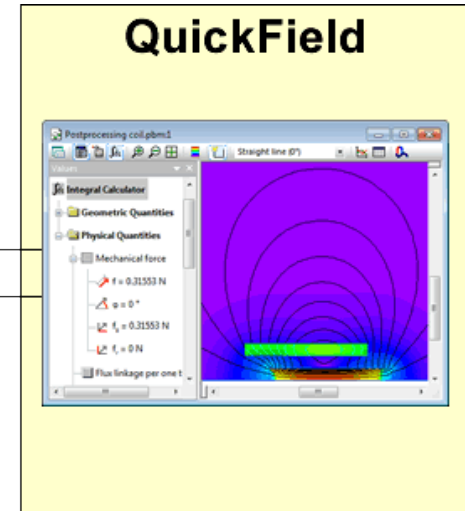
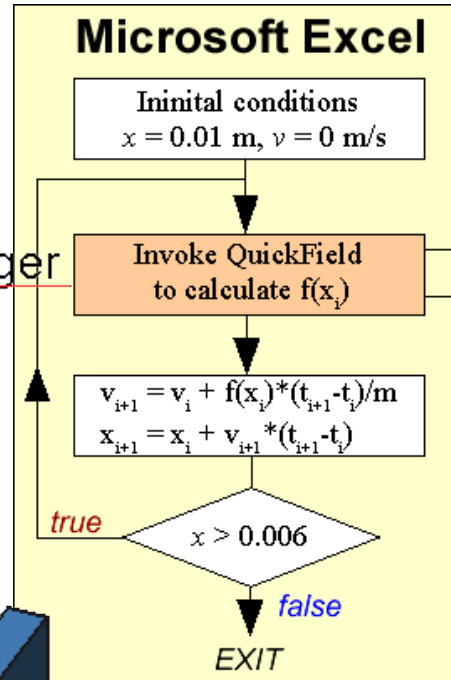
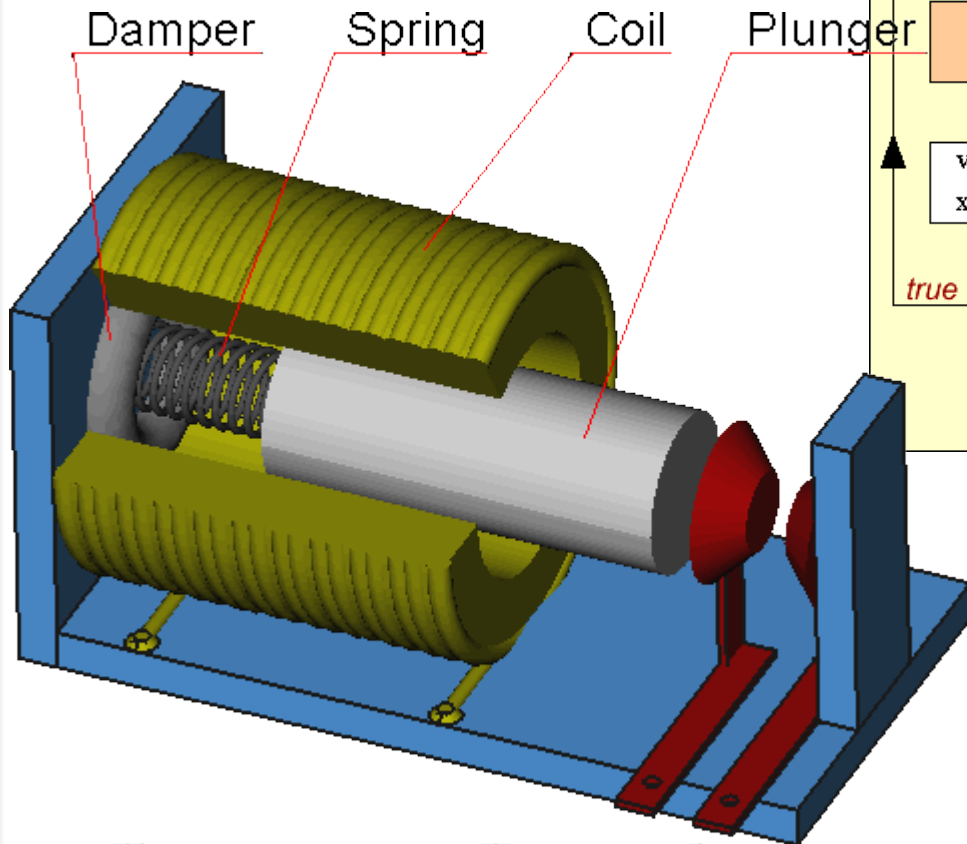
Methods

QuickField Object Model



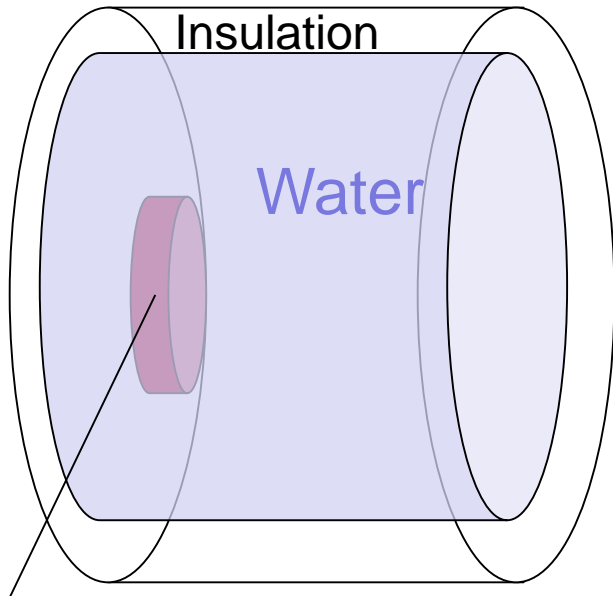


Previous webinar “Programming with QuickField”





Thermostat control system



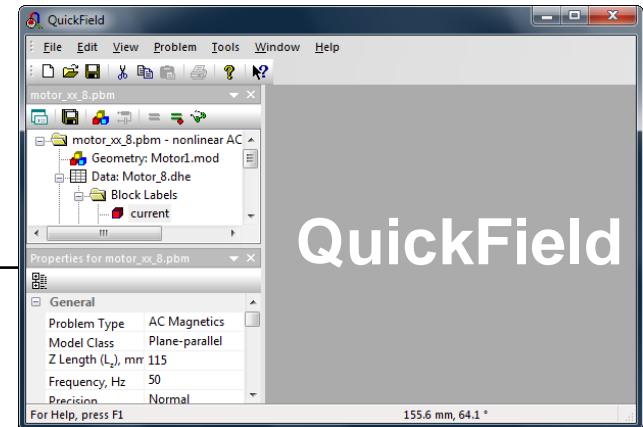
Heater

Input data:
Water volume: 110 liters
Heater power: 2 kW
Initial temperature: +20°
Goal temperature: +70°



Power, Time →

← Temperature





Tools for creating the control system model

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