

CONFERENCE ABOUT THE STATUS AND FUTURE OF THE EDUCATIONAL AND R&D SERVICES FOR THE VEHICLE INDUSTRY



NUMERICAL ELECTROMAGNETIC FIELD ANALYSIS IN ELECTRICAL MACHINE SIMULATION

Prof. Miklós Kuczmann

Cooperation between higher education, research institutes and automotive industry

section

Hungarian Academy of Science Budapest, 31 January 2014



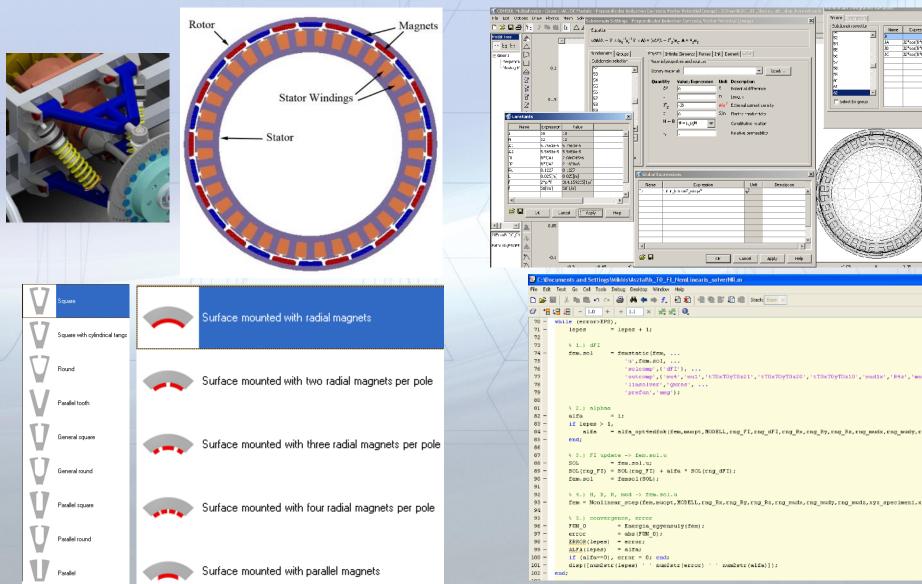


Name Expression

12*cos(fi*t-2*...

32*cos(fi*t12*...

Infolytica and COMSOL Multiphysics

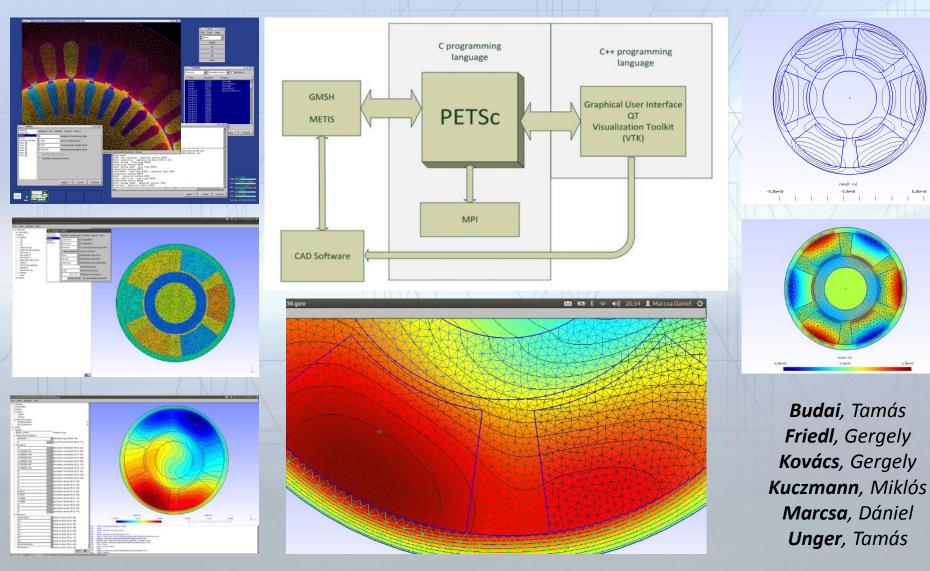






8.36e+09

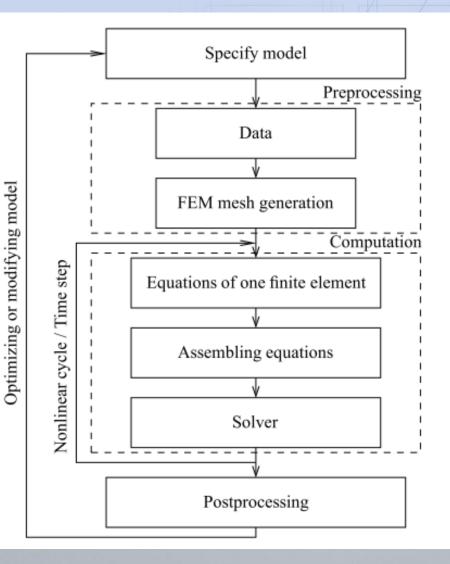
Own FEM Software

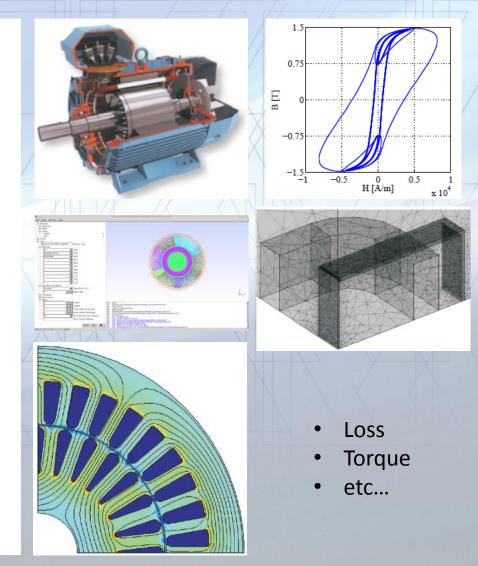






Some Words about FEM

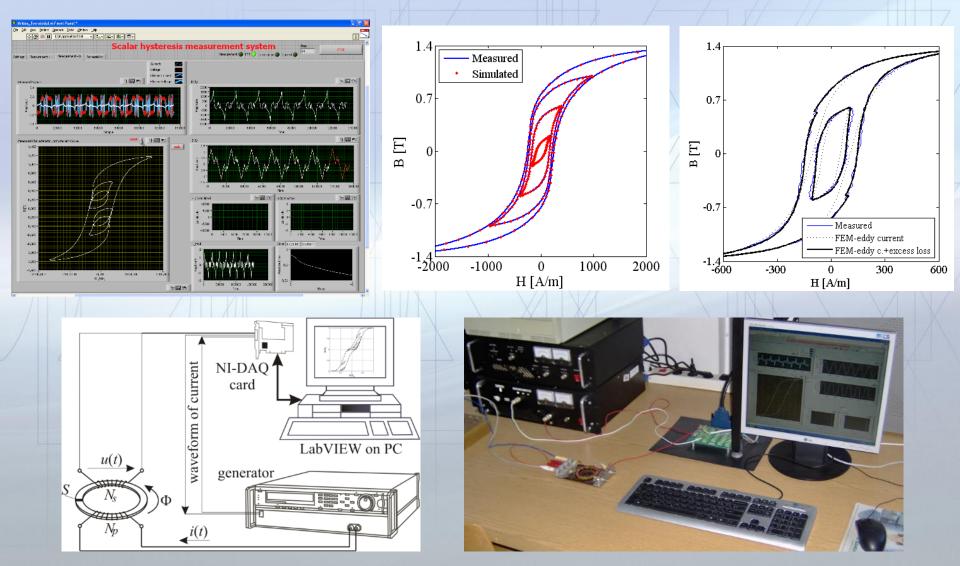








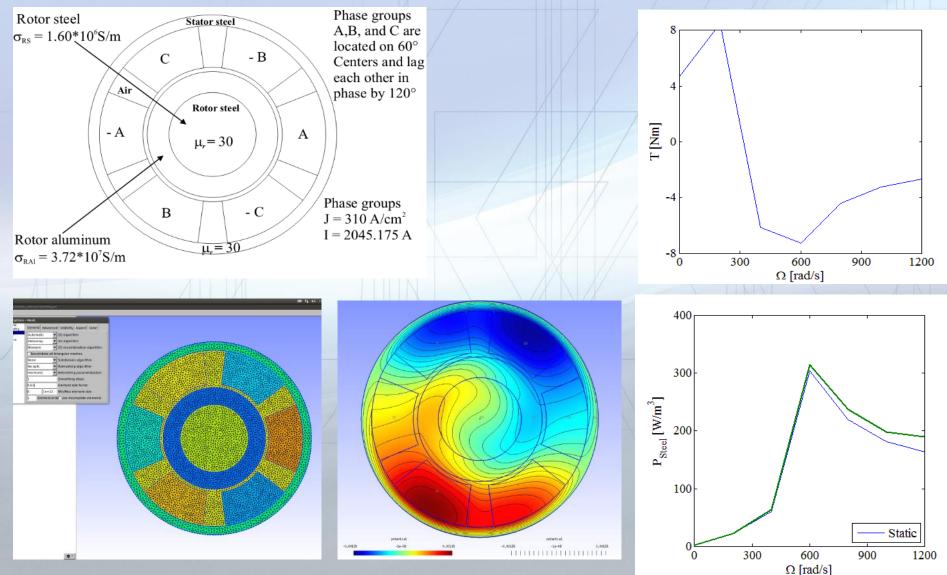
Hysteresis Loss Measurement and Simulation







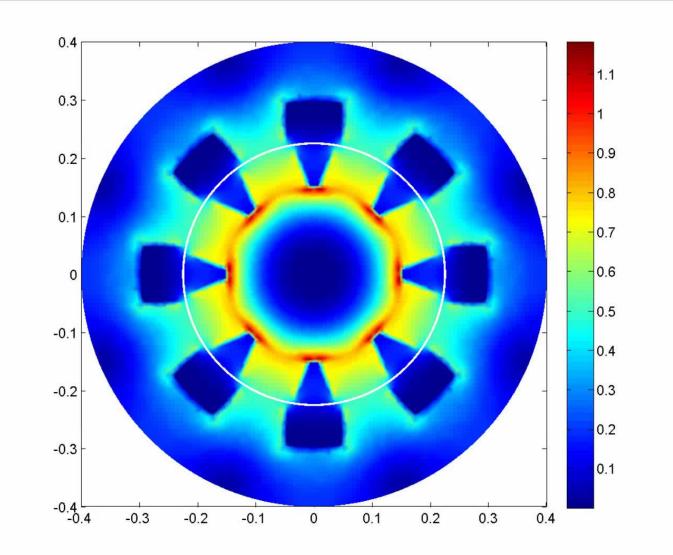
T.E.A.M. Problem No. 30.a. (modified nonlinear version)







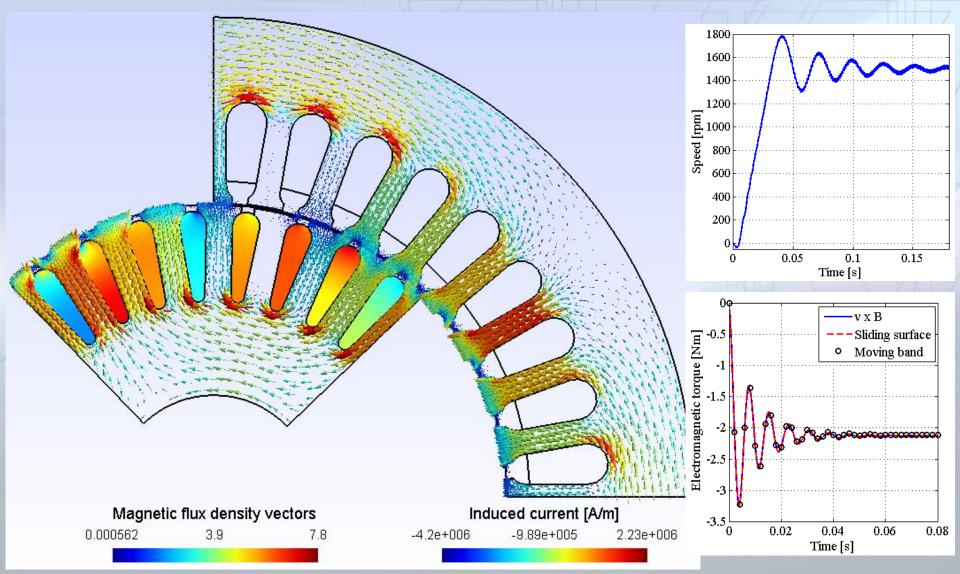
Simulation of Electrical Machines







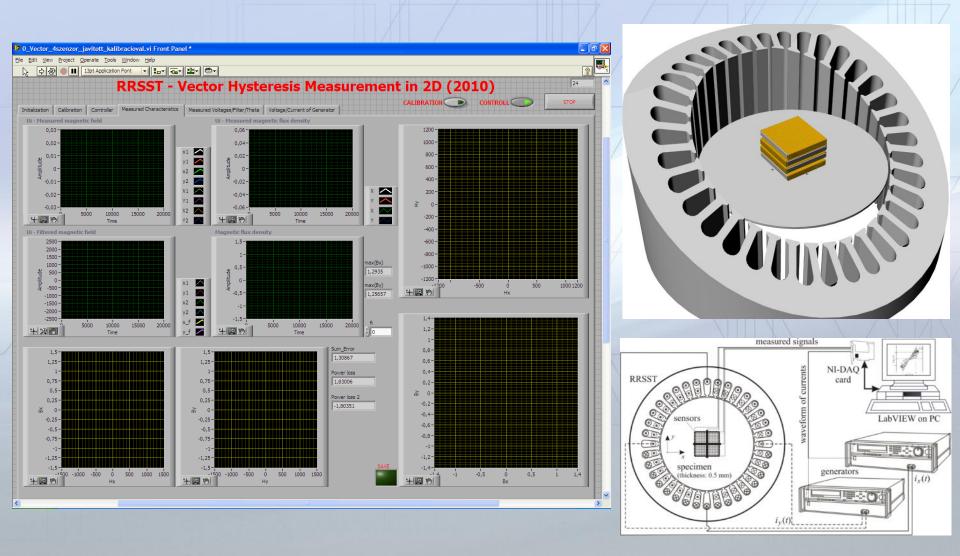
Simulation of Electrical Machines







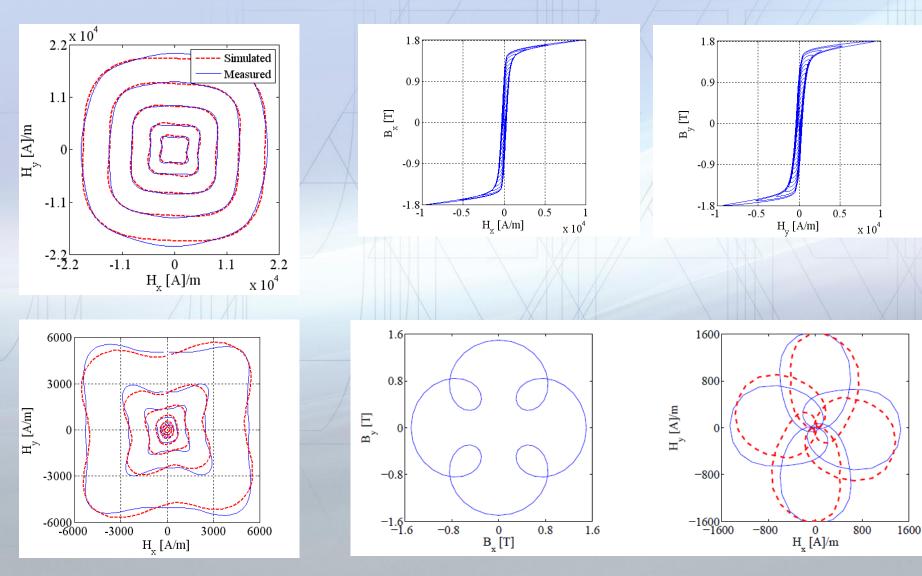
Vector Hysteresis Measurement and Simulation





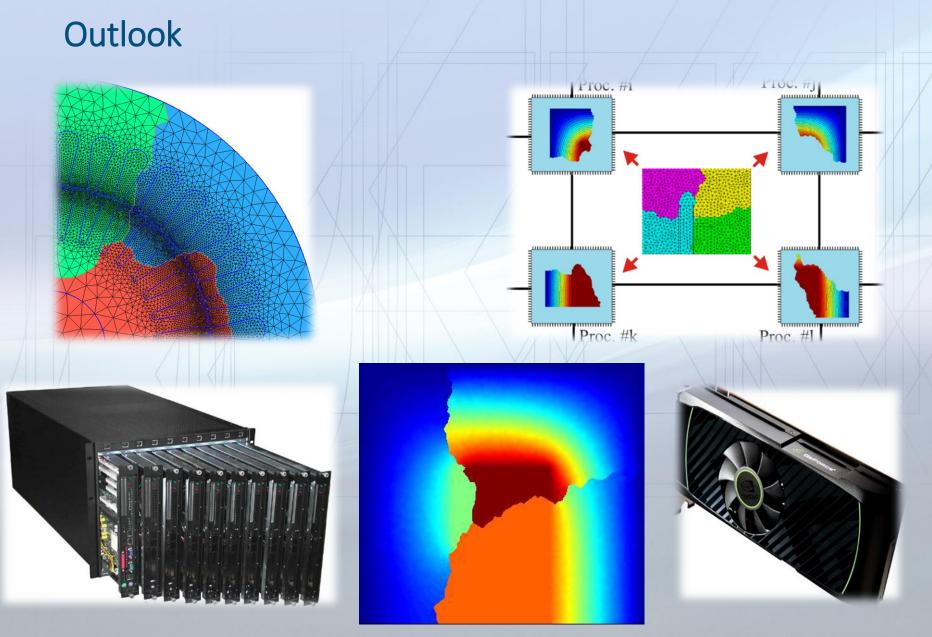


Vector Hysteresis Measurement and Simulation











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THANK YOU FOR YOUR ATTENTION.

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COOPERATION BETWEEN HIGHER EDUCATION, RESEARCH INSTITUTES AND AUTOMOTIVE INDUSTRY TÁMOP-4.1.1.C-12/1/KONV-2012-0002

BASIC RESEARCH FOR THE DEVELOPMENT OF HYBRID AND ELECTRIC VEHICLES TÁMOP-4.2.2.A-11/1/KONV-2012-0012

"SMARTER TRANSPORT" - IT FOR CO-OPERATIVE TRANSPORT SYSTEM TÁMOP-4.2.2.C-11/1/KONV-2012-0012

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