

$$\bar{\Pi} = \frac{1}{2} \sum_e \{u\}^T \cdot [K] \cdot \{u\} - \{u\}^T \cdot \{F\}$$



The whole world of simulation

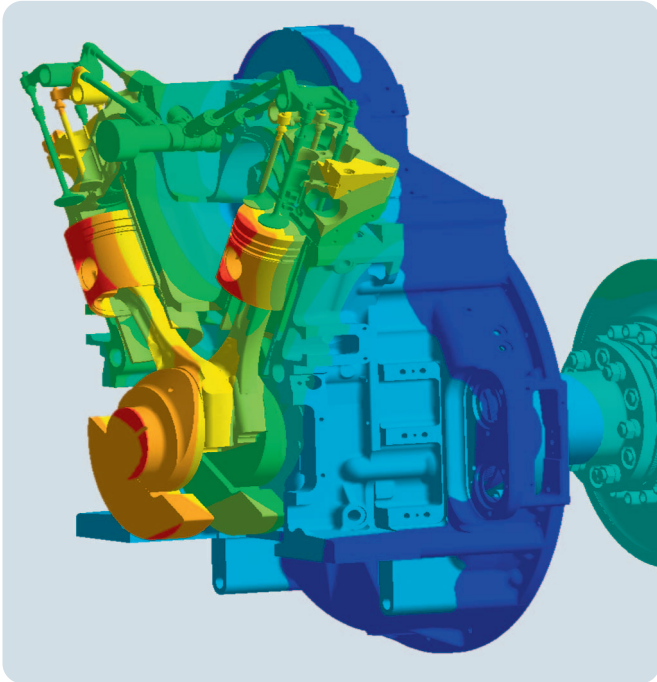
Computational Fluid Dynamics

→ Structural Mechanics

Temperature

Electromechanics

Multiphysics



ANSYS® covers the full application range of simulation in the product development.

CADFEM as ANSYS Competence Center FEM in Germany, Austria and Switzerland is in cooperation with ALGORITEM your partner for structural mechanics and multiphysics in Slovenia.

Hands-on Training

Structural Mechanics

statics/dynamics · linear/nonlinear · implicit/explicit

Structural simulation with ANSYS

Demanding simulations are more often mission critical for the product development cycle of innovative solutions. The exact reproduction of occurred physical effects makes powerful FEA systems a prerequisite. As established and well proven solution, ANSYS allows the efficient workflow for such simulations.

This hands-on training allows you to work with the marketing leading simulation software. On an individual workstation, you will compute the physical behavior in structural applications.

Target Group

Development and Analysis-Engineers with interest on static and dynamic FEA simulations

Date

June 8, 2010 in Ljubljana, University of Ljubljana

Adresses

CADFEM GmbH
Marktplatz 2
85567 Grafring b. München
Phone +49 (0) 80 92-70 05-0
Fax +49 (0) 80 92-70 05-77
E-Mail info@cadfem.de

www.cadfem.de

Weitere Geschäftsstellen in Berlin,
Chemnitz, Dortmund, Hannover und
Stuttgart

Österreich: CADFEM (Austria) GmbH
www.cadfem.at

Schweiz: CADFEM (Suisse) AG
www.cadfem.ch

ANSYS Germany GmbH
Birkenweg 14a
64295 Darmstadt
Phone +49 (0) 61 51-36 44-0
Fax +49 (0) 61 51-36 44-44
E-Mail info-germany@ansys.com

www.ansys-germany.com

Realization

Christof Gebhardt

CADFEM GmbH
Phone +49 (0) 80 92-70 05-65
Fax +49 (0) 80 92-70 05-66
E-Mail cgebhardt@cadfem.de

www.cadfem.de

© 2010 CADFEM GmbH, Status April 2010, errors and omissions expected. All products are brands and registered trademarks are the property of their respective owners.

Content/Agenda

Begin: 9:00 am
End: 5:00 pm
Date: June 8, 2010
Fee: EUR 200,00

- Overview of the FEM theory
- Workflow of single part and assembly calculations
- Precision
- Hands-on Training with ANSYS
 - Linear and nonlinear calculations
 - Vibration
 - Transient, nonlinear dynamics
 - Coupling to computation fluid dynamics

About CADFEM

ANSYS and a vast competence in FEA – this is what the CADFEM brand stands for since 1985 in Germany, Austria and Switzerland. Moreover, through company shares and partnerships, CADFEM is a global player in CAE, e.g. in the US, in China, India, and Eastern Europe.

CADFEM offers a complete portfolio of leading software tools for numerical simulations, including all product-supporting services such as expert advice, seminars, and support. Furthermore, CADFEM is also an engineering office with a highly trained team of more than 100 design analysts offering CAE consulting and software customization services.

www.cadfem.de

About ANSYS

ANSYS is leading the evolution of CAE tools and technologies, delivering customer value by enabling companies to improve product development and processes.

ANSYS is committed to developing simulation solutions – from mechanical to computational fluid dynamics (CFD) – that illustrate realistic and accurate modeling and simulation of components, subsystems and systems. Replacing hardware prototyping and testing, ANSYS solutions drive product designs from concept to reality, providing an engineering simulation system for a fast, efficient and cost-conscious information-based development process.

www.ansys.com

Herewith I register for the Hands-on Training:

Structural Mechanics

June 8, 2010 in Ljubljana, University of Ljubljana

Fee: EUR 200,00

On organizational matters, we kindly asked you to register with this form.

.....
Company

.....
UB/Institut

.....
Department

.....
Name

.....
First Name

.....
Street or post no.

.....
Zip code, city

.....
Phone

.....
Fax

.....
E-Mail

.....
Date, Signature

Unfortunately we cannot attend the information day.
Nevertheless we are interested in the topic. Please contact us.

Registration via post, fax, E-Mail or Internet:

ALGORITEM d.o.o. Ljubljana
Mr. Andrej Pavlic
Phone +386 1 283 44 24
Fax +386 1 283 44 24
E-Mail andrej.pavlic@telemach.net
www.algoritem.si

| Registration |

