

FEMFAT advanced training topics

• FEMFAT max

- Tips and Tricks to optimize analysis duration
- Generation and re-use of scratch files
- Compare BASIC, ChannelMAX and TransMAX results to benefit of each analysis method

• FEMFAT weld

- Introduction to modelling of weld seams
- Definition of weld seams using FEMFAT visualizer and xMCF files
- Analysis based on stresses or nodal forces
- FEMFAT weld database extension

• FEMFAT spectral

- Theoretical background: dynamic analyses, load definition, influence factors
- Analysis workflow
- Ways to optimize analysis runs

• FEMFAT spot

- Introduction to modelling of SPOT joints
- Analysis based on stresses or nodal forces
- SPOT joint definition
- FEMFAT (new) spot database extension
- Output and Influences on the FEMFAT spot fatigue result

• Material

Generation and adjustment of materials with FEMFAT material generator

• Non Metal Fatigue

- Basic concepts for material assessment
- Non-fiber reinforced plastics
- Fiber reinforced plastics
- Laminates
- Elastomers

FEMFAT software

FINITE ELEMENT METHOD FATIGUE

Contact

FEMFAT Support
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Venues

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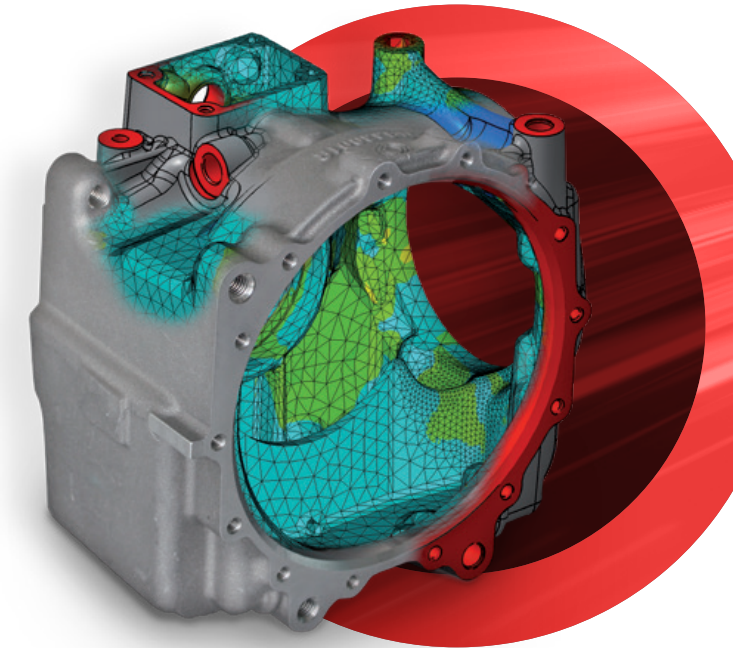
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Disclaimer:
Engineering Center Steyr GmbH & Co KG,
FEMFAT Trainingsfolder - v.3.0



FEMFAT software

BY MAGNA POWERTRAIN



FEMFAT Trainings 2018

Finite Element Method
based Fatigue Analysis

femfat.magna.com

Join a FEMFAT training to

- learn state-of-the-art methods and strategies in fatigue life analysis
- be informed about Magna's competence in fatigue simulation and testing
- apply these methods to optimize components and systems saving weight, time and money
- communicate with the FEMFAT team about practical experience
- profit from a 2 month test license of all trained modules

**Standard Trainings are planned to be 2 days.
Such a Training is done with the following AGENDA:**

1st DAY

FEMFAT theory
FEMFAT Modules BASIC, PLAST, BREAK
Hands-on experience with FEMFAT

2nd DAY

FEMFAT theory for FEMFAT Module MAX
Hands-on experience with FEMFAT max
1-2 additional FEMFAT modules as chosen
by Participants at registration

ECS, St. Valentin (Austria)

kindly register online: femfat.magna.com
Language: German or English

Standard training

January	30/31, 2018
April	10/11, 2018
June	19/20, 2018
October	09/10, 2018
December	04/05, 2018

Training fee for 2 days standard training, excl. VAT
1st participant: € 850,-
2nd participant of the same company: € 650,-
Students: € 350,-

Advanced training

February	01, 2018	SPECTRAL
April	12, 2018	SPOT
June	21, 2018	Material
October	11, 2018	Nonmetal Fatigue
December	06, 2018	WELD

Training fee for 1 day advanced training, excl. VAT
Every participant: € 450.-

Altair, Böblingen (Germany)

kindly register online: www.altairhyperworks.de
Language: German or English

Standard training

March	06/07, 2018
May	15/16, 2018
July	17/18, 2018
November	13/14, 2018

Training fee for 2 days standard training, excl. VAT
1st participant: € 900,-
2nd participant of the same company € 700,-
Students € 450,-

Advanced training

March	08, 2018	MAX
May	17, 2018	WELD
July	19, 2018	MAX
November	15, 2018	WELD

Training fee for 1 day advanced training, excl. VAT
Every participant: € 450.-
Students: € 225.-

