



EXCLUSIVE OFFER 14,99 €!

(or your local equivalent)

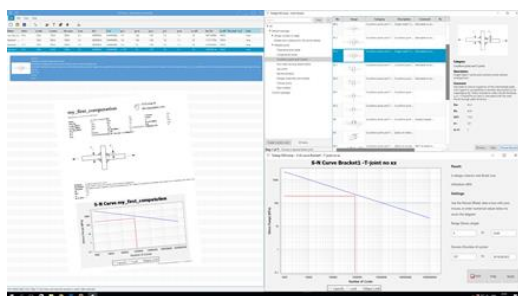
<http://fatcomputation.com/buy.html>

FATcomp® - the easy-to-use tool for fatigue design computations

FATcomp® is a tool for engineers working with fatigue design in reducing the number of fatigue failures and increasing the durability of fatigue loaded structures.

The main steps in the fatigue design process are:

- Estimate the fatigue load (measure the load, FEM-models of components)
- Design the structure with respect to fatigue load
- Calculate the fatigue capacity of the critical points in the structure
- Compare the fatigue load with the capacity of the structure



Picture 1: FATcomp® features

FATcomp® has a database of e.g. welded joints and all the necessary features to make the fatigue design criteria evaluation.

FATcomp® has a hands-on approach, especially the efficient comparison between different design solutions and assumptions are valuable for fatigue assessments.

FATcomp® is also a good tool for students to learn how to deal with fatigue loaded structures.

$$\omega_{eff} \cdot \Delta\sigma_{max} \cdot \gamma_f \leq \frac{FAT \cdot \varphi_t \cdot \varphi_m \cdot \varphi_e}{\gamma_m \cdot \sqrt[m]{S_m}}$$

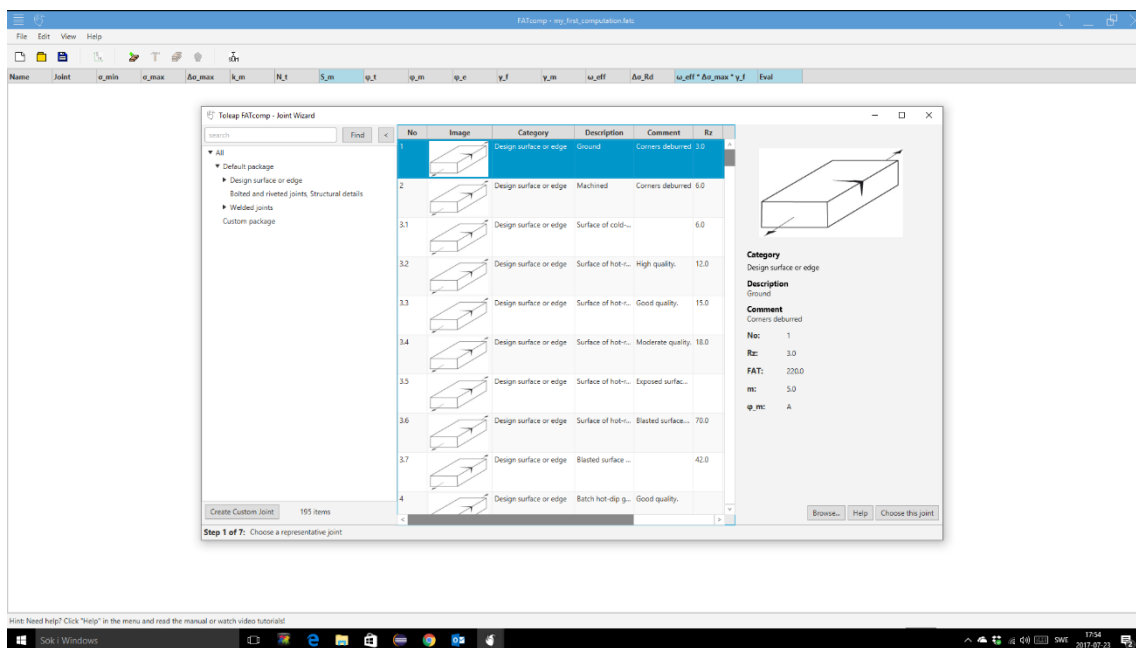
Picture 2: The formula for the fatigue design criteria in FATcomp®

FATcomp® follows the European standard EC3. The large database and the customers own results, shown in the calculation sheet, are some of the useful engineering features.

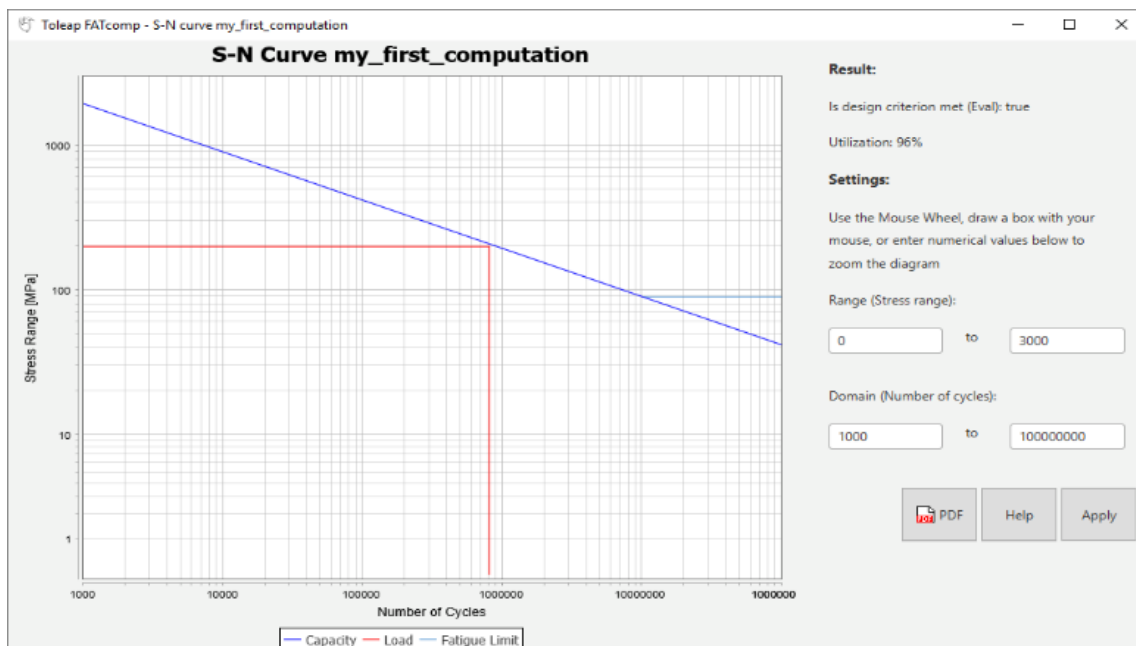
FATcomp® can be run on Mac OS X and on Windows. It is available for purchase on <http://fatcomputation.com/buy.html>.

In addition to the software Toleap Consulting offers a training program for design of fatigue loaded structures, further info on www.toleap.se/en.

Professor Jan-Olof Sperle, B.Sc. Andreas Kuoppa, M.Sc. Jan Kuoppa have developed Toleap Consulting ABs software for fatigue design, FATcomp®.



Picture 4: FATcomp® Joint Wizard



Picture 5: FATcomp SN-curve

Contact information

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