

Design criteria for large cast structures

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- Fatigue of large cast structures is controlled by the presence of flaws (shrinkage cavities, graphite clusters)
- Threshold tests on cast iron;
- definition of the R-curve and prediction of fatigue strength;
- modelling of the fatigue response for 3D defects detected by CT scan
- possible detailed FE-model of some 3D defect detected by CT scan

