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Figure shows the results of the finite element analysis for the temperature and Tresca stress distributions in the first wall (FW) with rectangular cooling channel of a fusion reactor blanket during a heat load of  $1 \text{ MW/m}^2$ . The stress concentrations occurred at the corners of cooling channel. During the operation of a fusion reactor, these stress concentrations occurred repeatedly, thus, fracture such as fatigue crack formation should be considered. (Wenhai GUAN, Makoto FUKUDA *et al.*, Plasma and Fusion Research Vol.9, 1405143 (2014) <http://www.jspf.or.jp/PFR/>)