## **English summary**

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## Quality problems in glass tempering process

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**Summary.** Good strength and visual quality are required of the tempered glass. These can be influenced with the control of the heat transfer. The most important parameters of the tempering process are temperature and heat transfer coefficient with the help of which the residual stresses can be affected. With the knowing of the process and with the understanding of the behaviour of the glass the quality of the glass and the energy consumption of the tempering process can be improved. With the numerical simulation information about the behaviour of the glass in the different situations and from the effect of parameters on the end product is obtained.

Key words: glass, tempering, relaxation, numerical simulation