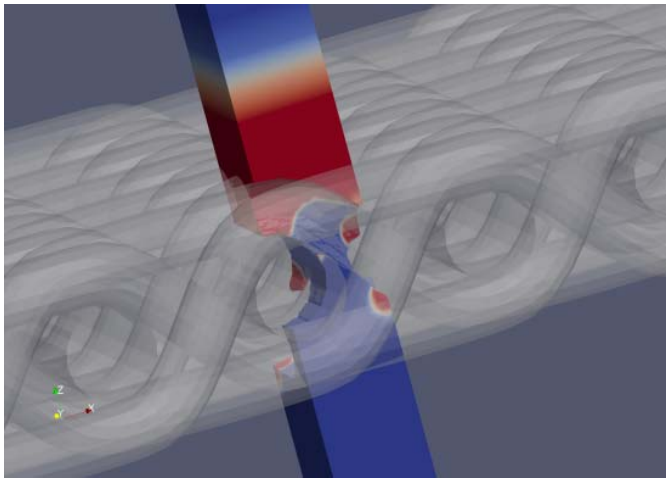
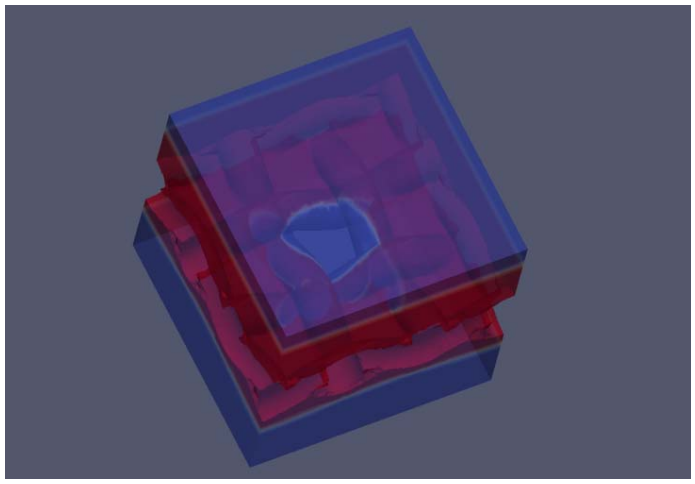
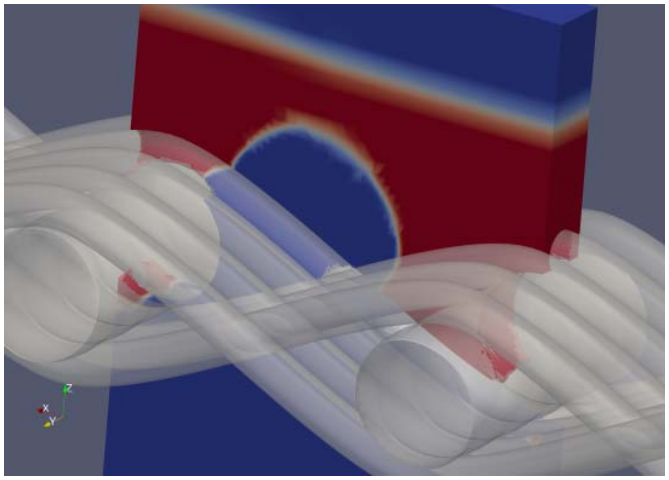
Improvement in the measurement of the bubble point for wire mesh using numerical models



Picture 1: By using the CFD simulation of the bubble point test, GKD developed a procedure, that offers a precise and quick pore size determination for all common weave types.



Picture 2: Through the numerical determination of the capillary pressure constant, GKD is able to identify a precise and efficient pore size.



Picture 3: The development process of the optimised dutch weaves (ODW6) by GKD was supported by CFD simulation.

Picture 4: For each single weave type, like the optimised dutch weaves (ODW), a new capillary pressure constant has been calculated, in order to make a specific statement about the pore size.

Picture 1-7 © GKD

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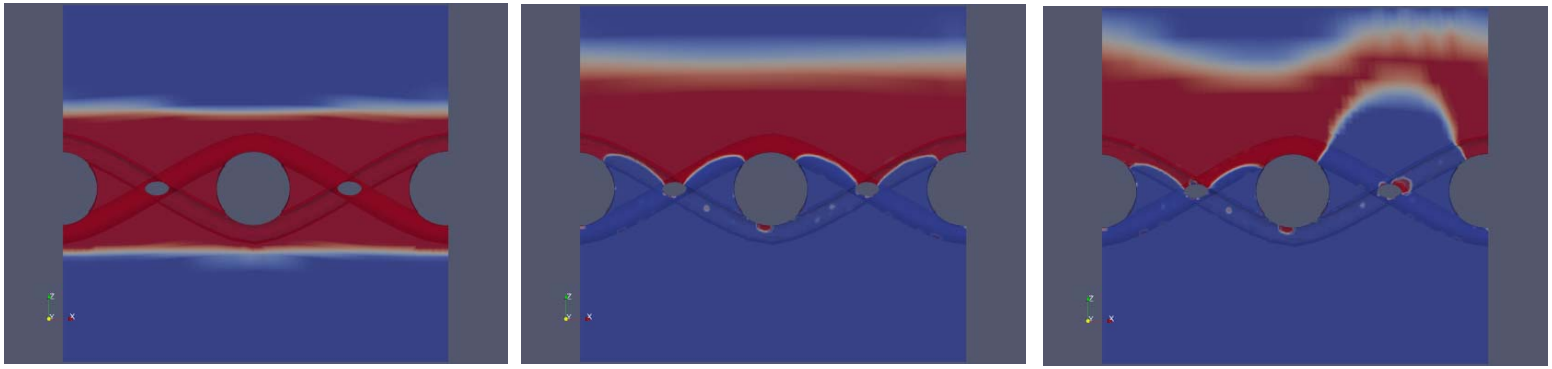

Picture 5-7: Course of a bubble point simulation for an optimised dutch weave (ODW38) by GKD.

Picture 1-7 © GKD

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