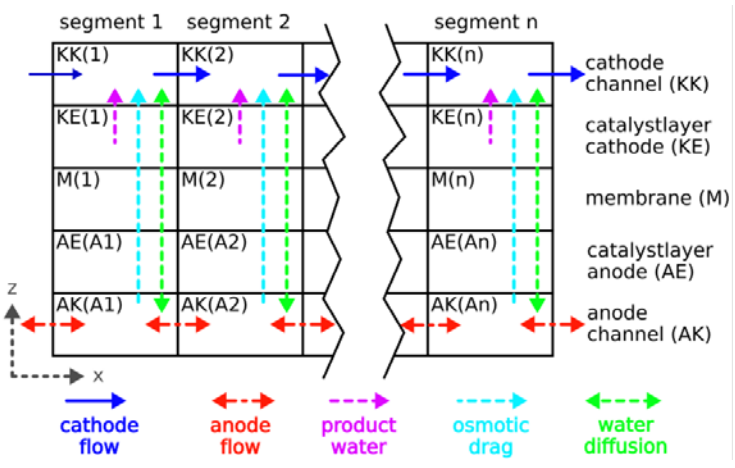
THE HYDROGEN AND FUEL CELL CENTER

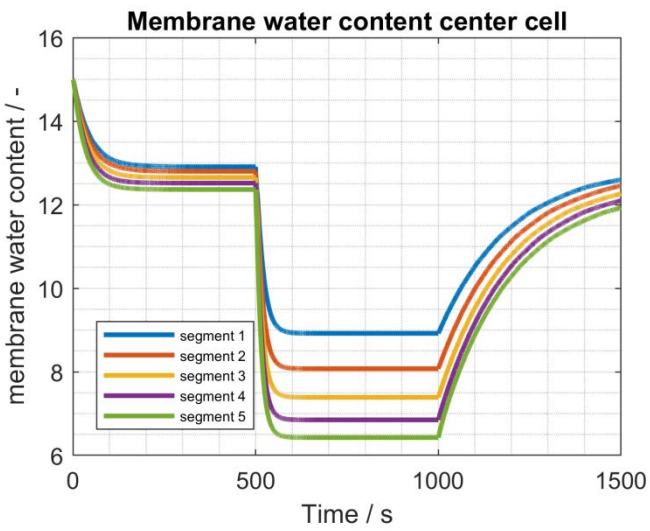
ZBT

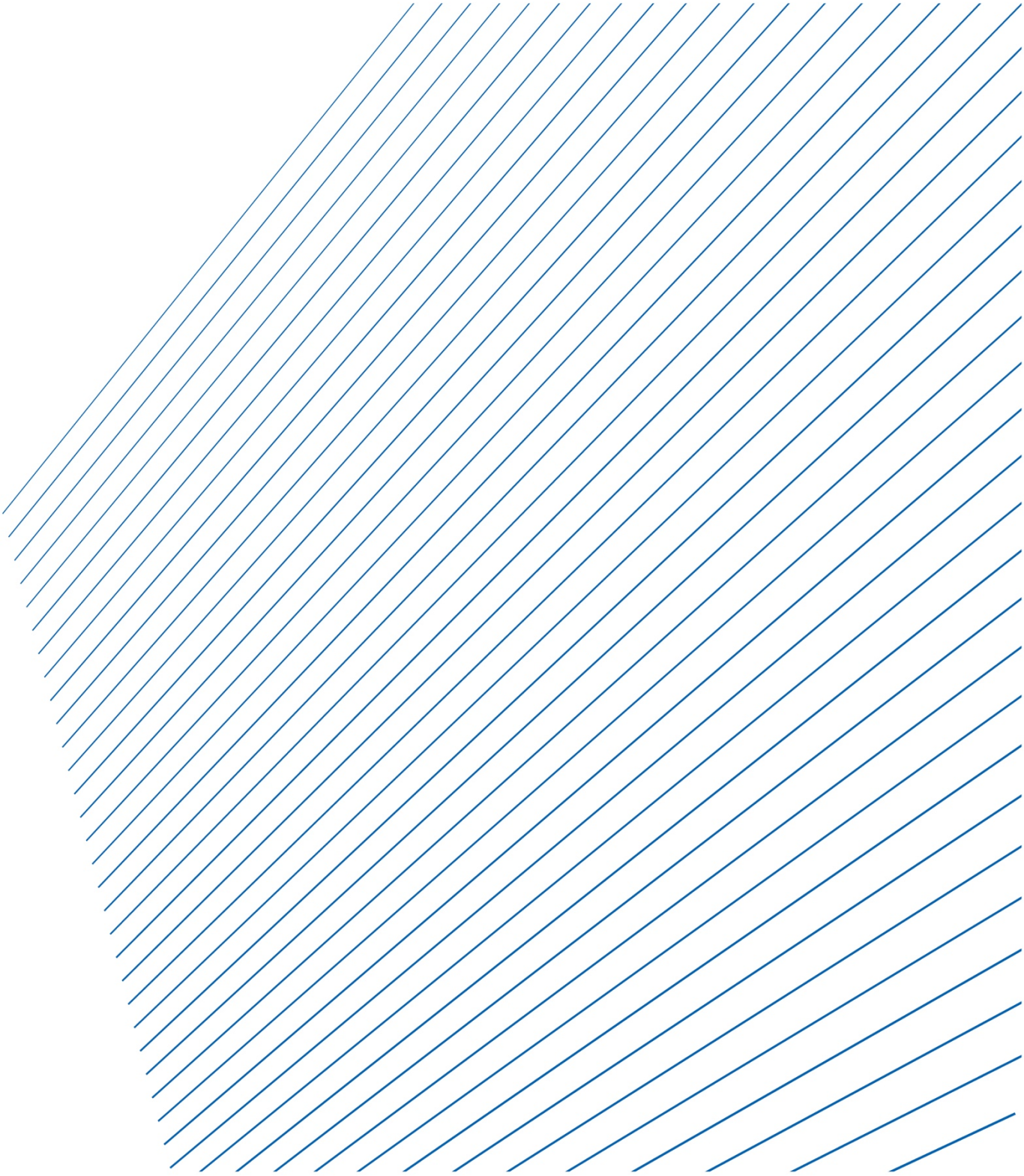
PEM fuel cell model

high resolution calculation module for system simulations

- 2-D flow field and 1-D through MEA resolution
- Optimal resolution for technical relevant media stoichiometries
- Extensive membrane model
- Dynamic behavior of the thermal mass and the membrane are included
- Successful validation on multiple measurement series
- Adaptable for most PEM fuel cells from 100 W to 500 kW
- Real-time capable
- Applicable for commercial system simulation environments such as Matlab-Simulink®, AVL Cruise™ M, GT Soft







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