

## Water distribution on the surface of catalyst layer inside direct methanol fuel cells (DMFCs) by using 3D model

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In order to keep stability of operation of DMFCs they have to solve problem of performance drop by accumulation of liquid produced in the cathode channel. Hence in order to manage water removal versatile investigations have carried out so far. Among the trials simulation of water distribution at the invisible regions such as catalyst layer and cathode channel according to operation conditions were studied.