Two dimensional analysis of PEM Fuel Cells -Comparison of Conventional and Interdigitated Flow Fields

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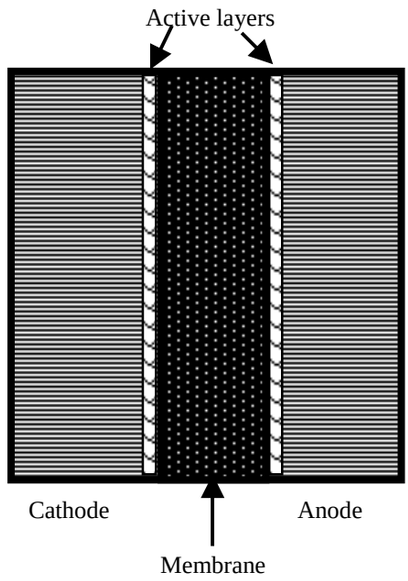
Kazim et al.[1] investigated the superiority of interdigitated over conventional flow fields in the PEM fuel cells. They modeled the cathode side and the membrane only. In this work, the transport of oxygen and hydrogen, potential and temperature distribution,[2] will be simulated by following Nguyen[3] closely. Profiles will be simulated for both types of flow for the schematic shown.



Schematic of the PEM fuel cell modeled

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References

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