

Cathode Collector Plate **Graphite**


$$\mathbf{v} = \mathbf{v}^c$$

Cathode GDL
Carbon Paper

$$\nabla \kappa_{CEDL} \nabla \mathbf{v} = \mathbf{0}$$

Catalyst Layer
Pt/Nafion/Carbon

$$\begin{aligned} \nabla \kappa_{CCL} \nabla \mathbf{v} &= \beta (\mathbf{v} - \mathbf{u}) \\ \nabla \kappa_{CCL} \nabla \mathbf{u} &= \beta (\mathbf{u} - \mathbf{v}) \end{aligned}$$

Membrane
Nafion

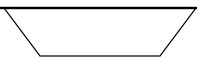
$$\nabla \kappa_M \nabla \mathbf{u} = \mathbf{0}$$

Catalyst Layer
Pt/Nafion/Carbon

$$\nabla \kappa_{ACL} \nabla \mathbf{u} = \mathbf{0}$$

Anode GDL
Carbon Paper

$$\nabla \kappa_{AGDL} \nabla \mathbf{u} = \mathbf{0}$$


$$\mathbf{u} = \mathbf{0}$$

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