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fuel cell technology, no one can rest on their laurels, and the last few years have seen rapid developments in the field, making a second edition necessary. Although the basic principles of fuel cells remain the same, this new edition provides the opportunity to describe some of the significant developments that have emerged over

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some fuel cell applications). An electrolyzer has an efficiency defined to be the ΔH of reaction (the output is the useful heat energy of hydrogen), divided by the energy input ΔG . Therefore, the efficiency of the electrolyzer is the inverse of fuel cell efficiency—so the fuel cell at STP with an efficiency

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Description A complete, up-to-date, introductory guide to fuel cell technology and application. Fuel Cell Fundamentals

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Fuel Cell Fundamentals - Ryan O'Hayre, Suk-Won Cha ...

Activation losses from H₂ - O₂ fuel cell anode versus cathode Ref: Ryan P. O'Hayre, Suk-Won Cha, Whitney G. Colella and Fritz B. Prinz, "Fuel Cell Fundamentals" 2nd edition, John Wiley & Sons, 2009 Relationship between the current density output and the activation overvoltage is exponential and is known as the Butler - Volmer equation

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