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Fuel Cell Fundamentals 2nd Edition

Fuel Cell Fundamentals is the essential first step toward joining the new energy revolution. Author Bios RYAN O'HAYRE, PhD, is a Professor of Metallurgical and Materials Engineering at the Colorado School of Mines where his Advanced Energy Materials Laboratory develops new materials and devices to enable alternative energy technologies.

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Fuel Cell Fundamentals is an introductory-level textbook covering the basic science and engineering behind fuel cell technology. Focusing on the fundamentals, it provides straightforward descriptions of how fuel cells work, why they offer the potential for high efficiency, and how their unique advantages can best be used.

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Problem 1.8 (20 points) You can see the benefits in a fuel cell of the independent scaling of the fuel reservoir and the fuel cell stack. Therefore, for this problem, you may compute the volume of the stack and the reservoir independently. For the stack, you need to supply 30 kW with a fuel cell that supplies power at 1 kW/L and 500 W/kg.

Fuel Cell Fundamentals Solutions

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Fuel Cell | Student Energy

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