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In his research activities, Professor Hougen

developed important original and fundamental principles for the mainstream of modern chemical engineering: heat transfer, gas adsorption, thermodynamics, catalysis, applied kinetics, and process design.

Chemical Process Principles: Thermodynamics - Olaf Andreas ...

In 1942 the American Chemical Society, under Hougen's chairmanship, sponsored a symposium on the subject. It was during this time that the text *Industrial Chemical Calculations* was revised and extended, giving place to *Material and Energy Balances* as the first part of another work, *Chemical Process Principles*. *Chemical Process Principles* by O.A.

Hougen

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