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Reactions That Changed

History ~~Thermodynamics and~~

~~the End of the Universe:~~

~~Energy, Entropy, and the~~

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1. INTRODUCTION TO
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primary difference between
pure and multicomponent
systems is that we must now
consider the impacts of
changing the composition on
the Gibbs energy. Beyond
that, the Gibbs energy must
still be minimized, the
calculus of classical
thermodynamics must be
applied, the fugacities of

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follow the ideal solution
approximation we can apply
an EOS or the "correction
factor", ϕ_i , yielding the
general expression for K-
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Elliot J. Richard Elliott is Professor of Chemical Engineering at the University of Akron in Ohio. He has taught courses ranging from freshman tools to senior process design as well as thermodynamics at every level. He has worked with the NIST lab in Boulder and ChemStations in Houston. He holds a Ph.D. from

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