

The Peng-Robinson Cubic EOS: A Life Affair

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Abstract: I narrate my first encounter with the PR EOS and some unsuccessful attempts to improve it. I continue with the birth of PRSV and of the development of Stryjek and the Sandoval mixing rules. I conclude with a rediscovery of an unconventional cubic EOS and the discussion that followed.

Brief Biography: Born in Chile 1936, emigrated to Canada in 1974 to start work as Research Associate at McGill University. Retired as Full Professor and promoted to Emeritus Professor in 2005. Author of over 200 publications in refereed journals, coauthor of "Classical Thermodynamics of Fluid Systems", CRC Press, 2017; coeditor of "Ionic Surfactants and Aqueous Solutions: Biomolecules, Metals and Nanoparticles", De Gruyter, 2018; coauthor of "Classical and Molecular Thermodynamics of Fluid Systems", CRC Press, 2025.