LOOKING FOR DEEP EUTECTICS IN BINARY AND TERNARY SYSTEMS

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The CVM in the pair approximation is used to investigate the influence of interaction parameters in the liquid and solid phases for obtaining deep eutectics. For CVM thermodynamic purposes, the liquid is regarded as a 13-fold coordinated aggregate with small clustering or ordering short-range order. Phase separation is allowed in the solid, but no "ordering" long range order. Several classes of binary and ternary 2-, 3-, and 4-phase equilibria will be presented.