



# **Thermodynamic Basis of Crystal Growth: P-T-X Phase Equilibrium and Non-Stoichiometry (Springer Series in Materials Science)**

*Jacob Greenberg*

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This book presents a new and promising technique to grow single crystalline compound semiconductor materials with defined stoichiometry. The technique is based on the high-precision experimental determination of the boundaries of the single-phase volume of the solid in the pressure-temperature-composition P-T-X phase space. Alongside test results obtained by the author and his colleagues, the P-T-X diagrams of other important materials (e.g., III-V, V-VI semiconductors) are also discussed.

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