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Growth and Phase Transformations of Ir on Ge(111)

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Highlights

- Ir deposited on Ge(111) at 350° C shows island growth with interconnecting bridges.
- For deposition onto substrates above 500° C, Ir forms dendritic growth patterns.
- Ir on Ge(111) forms a ($\sqrt{3} \times \sqrt{3}$)R30° overlayer in LEEM images at 2.0 ML coverage.
- Compact Ir islands form at higher coverage.

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