

Table of Contents for MEMO/254/1217

Szegő Kernel Asymptotics for High Power of CR Line Bundles and Kodaira Embedding Theorems on CR Manifolds

- Introduction and statement of the main results
- More properties of the phase $\varphi(x,y,s)$
- Preliminaries
- Semi-classical $\Box^{(q)}_{b,k}$ and the characteristic manifold for $\Box^{(q)}_{b,k}$
- The heat equation for the local operator $\Box^{(q)}_s$
- Semi-classical Hodge decomposition theorems for $\Box^{(q)}_{s,k}$ in some non-degenerate part of Σ
- Szegő kernel asymptotics for lower energy forms
- Almost Kodaira embedding Theorems on CR manifolds
- Asymptotic expansion of the Szegő kernel
- Szegő kernel asymptotics and Kodaira embedding Theorems on CR manifolds with transversal CR S^1 actions
- Szegő kernel asymptotics on some non-compact CR manifolds
- The proof of Theorem 5.28
- References