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Autore	Ponge Raphael <1972->
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Nota di contenuto	<p>""Contents""; ""Chapter 1. Introduction""; ""1.1. Heisenberg manifolds and their main differential operators""; ""1.2. Intrinsic approach to the Heisenberg calculus""; ""1.3. Holomorphic families of <math>I_{\sub(H)}DO_{\sub(S)}</math>""; ""1.4. Heat equation and complex powers of hypoelliptic operators""; ""1.5. Spectral asymptotics for hypoelliptic operators""; ""1.6. Weyl asymptotics and CR geometry""; ""1.7. Weyl asymptotics and contact geometry""; ""1.8. Organization of the memoir""; ""Chapter 2. Heisenberg manifolds and their main differential operators""; ""2.1. Heisenberg manifolds""</p> <p>""2.2. Main differential operators on Heisenberg manifolds""""Chapter 3. Intrinsic Approach to the Heisenberg Calculus""; ""3.1. Heisenberg calculus""; ""3.2. Principal symbol and model operators.""; ""3.3. Hypoellipticity and Rockland condition""; ""3.4. Invertibility criteria for sublaplacians""; ""3.5. Invert ibility criteria for the main differential operators""; ""Chapter 4. Holomorphic families of <math>I_{\sub(H)}DO_{\sub(S)}</math>""; ""4.1. Almost homogeneous approach to the Heisenberg calculus""; ""4.2. Holomorphic families of <math>I_{\sub(H)}DO_{\sub(S)}</math>""</p>

""4.3. Composition of holomorphic families of  $L^2$ -DOs""  
4.4. Kernel characterization of holomorphic families of  $L^2$ -DOs""  
""4.5. Holomorphic families of  $L^2$ -DOs on a general Heisenberg manifold""; ""4.6. Transposes and adjoints of holomorphic families of  $L^2$ -DOs""; ""Chapter 5. Heat Equation and Complex Powers of Hypoelliptic Operators""; ""5.1. Pseudodifferential representation of the heat kernel""; ""5.2. Heat equation and sublaplacians""; ""5.3. Complex powers of hypoelliptic differential operators""; ""5.4. Rockland condition and the heat equation""  
""5.5. Weighted Sobolev Spaces""""Chapter 6. Spectral Asymptotics for Hypoelliptic Operators""; ""6.1. Spectral asymptotics for hypoelliptic operators""; ""6.2. Weyl asymptotics and CR geometry""; ""6.3. Weyl asymptotics and contact geometry""; ""Appendix A. Proof of Proposition 3.1.18""; ""Appendix B. Proof of Proposition 3.1.21""; ""Appendix. Bibliography""; ""References""

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