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""5. The Local Statement: One variable case""""6. The Local Statement: Bivariate Case""; ""References""; ""On the differential equations satisfied by certain Harish-Chandra modules""; ""1. Introduction""; ""2. Notations and preliminaries""; ""3. The three filtrations""; ""4. The spectral sequences associated to the filtrations""; ""5. The spectral sequence associated to the filtration""; ""6. The spectral sequence associated to the filtration""; ""7. Involutivity and the characteristic module of the PDE associated to""; ""8. The characteristic variety""

""Appendix A. The symbol spectral sequence and higher characteristic varieties""""References""; ""Kato-Usui partial compactifications over the toroidal compactifications of Siegel spaces""; ""1. Introduction""; ""2. Construction of fans and their boundary component structures""; ""References""; ""Notes on the representation theory of $GL_n(\mathbb{A}_f)$ ""; ""Introduction""; ""1. Irreducible representations of $GL_n(\mathbb{A}_f)$ ""; ""2. Parabolic induction""; ""3. Eisenstein series""; ""4. Modular forms""; ""5. Cuspidal automorphic forms""; ""6. Cohomology""; ""7. Appendix I: $H^2(G, \mathbb{Z})$ and the $\{ \cdot \}^{A_{\pm}}$ ""

""7. Integral formulations and the Milnor regulator""
