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Paulo D. Cordaro* (cordaro@ime.usp.br), IME-USP, Rua do Matão 1010, São Paulo, SP
05508-090, Brazil. *Gevrey hypoanalytic structures.*

In this talk I shall present the concept of a Gevrey hypoanalytic structure and study, within this framework, the approximation of solutions to the homogeneous systems by hypoanalytic solutions, the Gevrey solvability for the associated differential complex and the Gevrey hypoellipticity for the associated differential complex in degree zero. (Received January 31, 2008)