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Josep Alvarez-Montaner* (Josep.Alvarez@upc.edu), Dept. Matematica Aplicada I, Diagonal 647, 08028, Barcelona, Spain. *Characteristic variety of D-modules in positive characteristic*. Preliminary report.

The aim of this talk is to discuss about the construction given by P. Berthelot of the characteristic variety of a D-module in positive characteristic. This is part of an on-going project still in progress. (Received February 04, 2008)