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**Yuri Latushkin\*** ([latushkiny@missouri.edu](mailto:latushkiny@missouri.edu)). *The Morse and Maslov indices.*

In this talk I will review recent results on relations between the Morse and Maslov indices for partial differential operators. The Morse index counts the number of unstable eigenvalues of the operator while the Maslov index is the signed number of intersections counting multiplicity of a path in the set of Lagrangian plane with a given plane. This talk is based on several joint projects with M. Beck, G. Cox, C. Jones, R. Marangell, A. Sukhtayev and S. Sukhtaiev (Received July 21, 2015)