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Spectra of Kohn Laplacians on Spheres.

In this talk, we study the spectrum of the Kohn Laplacian on the unit spheres in \mathbb{C}^n and revisit Folland's classical eigenvalue computation. We also look at the growth rate of the eigenvalue counting function in this context. Finally, we compute the eigenvalues of the perturbed Kohn Laplacian on the Rossi sphere in \mathbb{C}^2 . We present some computational results in *SymPy* that lead to an understanding of spectra of more general second order differential operators on abstract CR manifolds. (Received August 22, 2018)