

Workshop “Mathematical aspects of quantum chaos”  
**Atelier «Aspects mathématiques du chaos quantique»**  
June 2-6, 2008/**2 au 6 juin 2008**

## Spectral asymptotics on compact Kaehler manifolds

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### **Abstract**

The behavior of eigenfunctions for high eigenvalues of the Laplace operator on a manifold is to a certain extent determined by the properties of the geodesic flow. In a similar way the so-called frame flow determines the behavior of the eigensections of the Laplace–Beltrami operator on differential forms or on spinors.

Kaehler manifolds are manifolds where the frame flow is not ergodic. We investigate the consequences this has for the spectrum of the Hodge Laplace operator and look at the behavior of high energy eigensections.

**Joint work with D. Jakobson and S. Zelditch.**