

## **Analytic Diophantine Kam-Tori are never isolated**

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### Abstract:

We shall report on a recent work (*joint with B. Fayad and R. Kriko-rian*) which shows that an analytic KAM-torus (Lagrangian and with Diophantine frequencies) in an analytic Hamiltonian system is always accumulated by other such KAM-tori. This is related to a question raised by M. Herman in his ICM lecture in Berlin 1996.