



BANACH CENTER **talk**

WHO? **prof. Stephen Yau**

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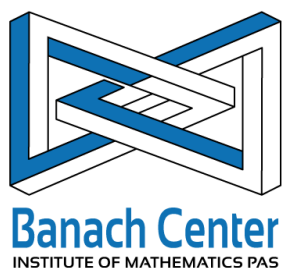
WHAT?

Kohn-Rossi cohomology and nonexistence of CR morphisms between compact strongly pseudoconvex CR manifolds

Abstract: One of fundamental questions in CR geometry ask: Given two strongly pseudoconvex CR manifolds X_1 and X_2 of dimension $n-1$, determine whether there is a non-constant CR morphism between them. In this lecture we use Kohn-Rossi cohomology to show the non-existence of non-constant CR morphism between such two CR manifolds. Specifically, we show that there is no non-constant CR morphism from X_1 to X_2 if $\dim H^{(p,q)}(KR)(X_1) < \dim H^{(p,q)}(KR)(X_2)$ for any (p,q) with $0 < q < n-1$.

WHEN? **Tuesday, 05.07.2016, 15:15**

WHERE? **Institute of Mathematics PAS,**
lecture room 403, 4th floor



Banach Center
INSTITUTE OF MATHEMATICS PAS

Before the lecture, at 14:45 we invite you for a coffee to our club hall (room 409, 4th floor).

