
Speaker: Christine Laurent-Thi\ebaut
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Tuesday, September 22, 2015

11:00 AM

258 Hurley Hall

Title: Some new results on Dolbeault cohomology groups

Abstract:

We will study the solvability of the Cauchy Riemann equation with prescribed support functional spaces. First we will prove that the classical isomorphism between Dolbeault groups for currents and smooth form does not hold anymore in that setting. Using Serre duality, we note that solving the Cauchy Riemann equation with prescribed related to solving the Cauchy Riemann equation with regularity conditions up to the derive Hausdorff property for some Dolbeault cohomology groups.