Singular integrals

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DATES: every monday and friday, from 28th november

TIME: 11:00-13:00

PLACE: Room C3b/158, New Corridor of the Maths. Department, UAB

CONTENTS:

1. Singular integrals

   (a) Review of basic results

   (b) The Hilbert and Riesz transforms

   (c) Singular integrals with a Calderón-Zygmund kernel

   (d) H^1, BMO, and Carleson measures

   (e) The $T(1)$ theorem

2. Singular integrals with non doubling measures

   (a) The basic results (for measures with polynomial growth)

   (b) The Cauchy transform and curvature