

## **dbar-homotopy formulas on singular varieties**

Jean Ruppenthal

University of Wuppertal  
Gausstrasse 20  
42119 Wuppertal  
GERMANY

We will discuss homotopy integral formulas for the dbar-operator on singular complex varieties, particularly the integral operators of Andersson—Samuelsson Kalm. It will be pointed out that we can expect useful formulas in the situation of mild singularities (so-called canonical singularities).

Useful means here for example that the operators can be used to solve dbar-equations in the L<sup>2</sup>-sense.

This will be elaborated for affine cones over projective manifolds. The talk is based on a joined work with Richard Laerkaeng.