

INdAM Workshop  
*Inverse Problems and Applications*

June 3–9, 2002 - Cortona, Italy  
Wednesday June 5, 2002 - 10:00–10:45

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***Inverse Problem for the 2D transport equation***

We prove uniqueness result and a stability estimate for the 2D transport equation about the recovery of the collision kernel  $k(x, v'v)$  and the absorption coefficient  $\sigma(x)$  from the albedo operator on the boundary. This is a formally determined problem for the recovery of  $k$  and we assume that  $k$  is small enough.