FERNANDO BRAMBILA, Departamento de Matemáticas, Facultad de Ciencias, UNAM, México

Complete Vectorial Radon Transform

We will talk about the complete inversion formula for the Vectorial Radon Transform.

It is well known how to recover the curl of a vector field using Doppler effect (G. Sparr, 1995). Using more information and Helmholtz, it is possible to have a complete inversion.