962-58-920 **Andrea D'Agnolo*** (`dagnolo@math.jussieu.fr`). *Radon transform of tensor fields.*
This is joint work with Michael Eastwood. We will show how tensor fields are intertwined under the hyperplane Radon transform. The result is better stated in terms of D-modules, and actually extends to deal with arbitrary irreducible homogeneous vector bundles on projective space. (Received September 29, 2000)