Table of Contents for MEMO/247/1170

Direct and Inverse Scattering at Fixed Energy for Massless Charged Dirac Fields by Kerr-Newman-de Sitter Black Holes

- Introduction
- Kerr-Newman-de-Sitter black holes
- The massless charged Dirac equation
- The direct scattering problem
- Uniqueness results in the inverse scattering problem at fixed energy
- The angular equation and partial inverse result
- The radial equation: complexification of the angular momentum
- Large \$z\$ asymptotics of the scattering data
- The inverse scattering problem
- Appendix A. Growth estimate of the eigenvalues $\mu_{kl}(\lambda)$
- Appendix B. Limiting Absorption principles and scattering theory for \$H_0\$ and \$H\$
- Bibliography