1031-35-113   **A. Malchiodi*** (`malchiod@sissa.it`). *Prescribing Q-curvature on four manifolds and related issues.*

We consider the problem of prescribing the Q-curvature of a four manifold through a conformal transformation of the metric. The problem has variational structure, and we illustrate a topological method to find solutions. We show that the formal barycenters of the manifold play a central role. (Received August 06, 2007)