1015-46-320   **Boris Mityagin*** (`borismit@math.ohio-state.edu`), Department of Mathematics, Ohio State University, 231 West 18th Avenue, Columbus, OH 43210-1174. *Functional Spaces of periodic potentials of Schroedinger and Dirac operators.*

We discuss convergence and divergence of spectral decompositions in their dependence on the functional space of the operator potential. (Received February 08, 2006)