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Michael K.-H. Kiessling* (miki@math.rutgers.edu), Rutgers University, Department of Mathematics, 110 Frelinghuysen Rd., Piscataway, NJ 08854. *N-body problems in relativity*.

This talk surveys the state of affairs in the study of N body problems in relativity for a mathematical audience of non-specialists. Special and general relativistic problems from the classical and quantum realms of physics are covered. (Received August 27, 2009)