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Chia-chi Tung* (chia.tung@mnsu.edu), Dept. of Mathematics and Statistics, Minnesota State University, Mankato, Mankato, MN 56001. *On Current Solutions to Schrödinger Type Equations*. Preliminary report.

The purpose of this work is to consider certain current solutions on a complex space to a Schrödinger type equation with a (possibly) complex parameter and/or a nonzero potential. Conditions under which such current solutions are distributionally induced by a C^∞ , semismooth, respectively, semireal-analytic function, will be given in this talk. (Received January 17, 2015)