1046-60-1721Julius N Esunge\* (esunge@math.lsu.edu), Department of Mathematics, 329 Lockett Hall,<br/>Baton Rouge, LA 70803, and Hui-Hsiung Kuo (kuo@math.lsu.edu), Department of<br/>Mathematics, 304 Lockett Hall, Baton Rouge, LA 70803. On Anticipating Linear Stochastic<br/>Differential Equations.

In this paper, we capture examples highlighting the solution of stochastic differential equations of anticipating type. Within the framework of white noise theory, such equations may be solved using the S-transform. This approach provides a useful remedy to the fact that the Itô theory of stochastic integration is inapplicable to such equations. (Received September 16, 2008)