962-60-305   **Randall J Swift*** (`randall.swift@wku.edu`), Department of Mathematics, Western Kentucky University, Bowling Green, KY 42101. *Completeness of the Spectral Domain of some classes of Nonstationary Processes.* Preliminary report.

In 1951,Cramr introduced a broad class of nonstationary processes. This class of processes contains the important harmonizable and stationary classes of processes. Cramr posed the question of the completeness of the spectral domain for this class of processes. M.M. Rao (1984) showed the completeness property for the harmonizable class and recently this property has been characterised by Averkamp (1997) who showed that a weakly harmonizable process has a complete spectral domain if and only if it is the image of a stationary process under a topological isomorphism. The Cramr class processes can have additional structure imposed upon it through Cesro summability considerations. These refined Cramr classes, termed (c, p)-summable Cramr, have recently been introduced by Swift (1997). In this talk, the completeness of the spectral domains of these (c, p)-summable Cramr processes is considered. (Received September 08, 2000)