



**STOCHASTIC ANALYSIS OF THREE NON IDENTICAL  
UNIT IN PARALLEL MODELED AS CORROSION  
PROTECTION FOR COATED REINFORCED  
CONCRETE STRUCTURES**

Ibrahim Yusuf and Saminu I. Bala

Received April 15, 2011

**Abstract**

This paper deals with the stochastic analysis of a three-dissimilar-unit in parallel system modeled as corrosion protection for coated reinforced concrete structure, by which the mean time to system failure is derived and evaluated.

**Keywords and phrases:** parallel system, mean time to system failure, reinforced concrete.