# Earlham COLLEGE



	CONCLUSION	
TRUE SITUATION	Accept H <sub>0</sub>	Accept H <sub>a</sub> (reject
Data is random (H <sub>0</sub> is true)	No error	Type I error
Data is not random (H <sub>a</sub> is true)	Type II error	No error

## ZUC Random Number Generator Zeyang Gao Earlham College



m tested
0/50
0/50
0/50
0/50
0/50
0/50
0/50
8/50
6/50
0/50
0/50
9/50
0/50
0/50
0/50

With a significance level  $\alpha$ =0.01, all p-values are greater than  $\alpha$ . are random enough under NIST standards.



algorithms developed in 1998. In this experiment,

against NIST.

436-461

advice and help on my project.