

Experiment: Noise and Autocorrelation

Equipment List:

1. Noise Generator PCB

Components:

Part Number	Description	Quantity
555	Timer	2
IN4007	Diode	4
74LS157	2 by1 MUX	1
74HC164	8-bit SIPO Shift register	2
74LS86	XOR	1
74HC04	Inverter	1
74HC07	Buffer	1
2N3904	2N3904	1
2N3906	PNP transistors	2
Resistors	470 Ohms, 1K Ohms, 2.2K Ohms	
Capacitors	220nF, 100nF	

2. Bread Board
3. Dual Power Supply 5V
4. Assortment of Resistors & Capacitors.