



3 Phase Motor Analysis.vi

C:\Users\Public\Desktop\LabVIEW_Applications_2018\3 Phase Motor Analysis.exe\3 Phase Motor Analysis.vi

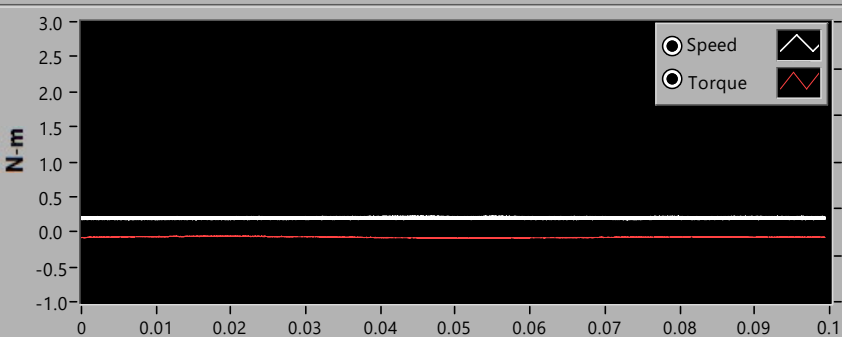
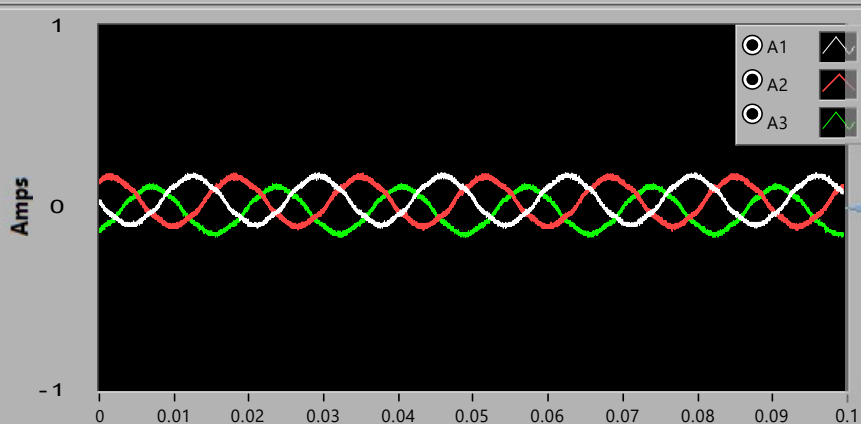
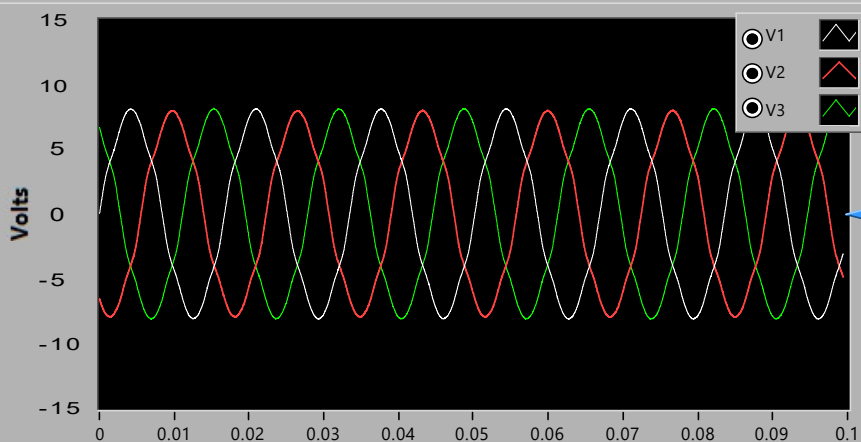
Last modified on 2022-12-02 at 6:18 PM

Printed on 2022-12-02 at 6:18 PM

3 Phase Motor Analysis

Main View

Phasor View



Electrical Measurements

Ch1 Trigger Source

Amps Volts

Fundamental Frequency

59.8 Hz

V1 RMS	A1 RMS	θ_1 (deg)	Ch1 Watts
5.58	0.10	-178.5	-0.5
V2 RMS	A2 RMS	θ_2 (deg)	Ch2 Watts
5.51	0.10	179.0	-0.5
V3 RMS	A3 RMS	θ_3 (deg)	Ch3 Watts
5.59	0.09	178.6	-0.5
Avg V	Avg A	Avg θ	Tot Watt
5.56	0.10	59.7	-1.5

Measurement Window (mS)

2 10 100 2000

Filter

OFF

Cutoff Frequency (Hz)

100 1000 10000 100000

Torque

-0.08

Zero Torque

RPM (Analog)

898

Zero RPM

Zero current/
torque/speed
while motor is
not running

RPM (Digital)

896

Pause

Save Data

Zoom

Position

1 10 20 30 40
0 0.25 0.5 0.75 1