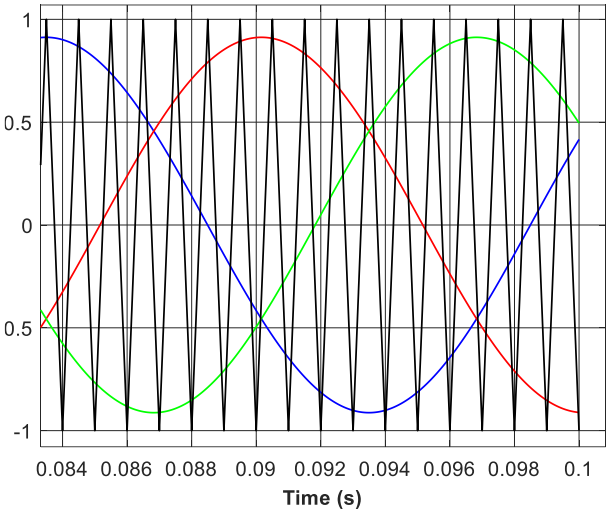
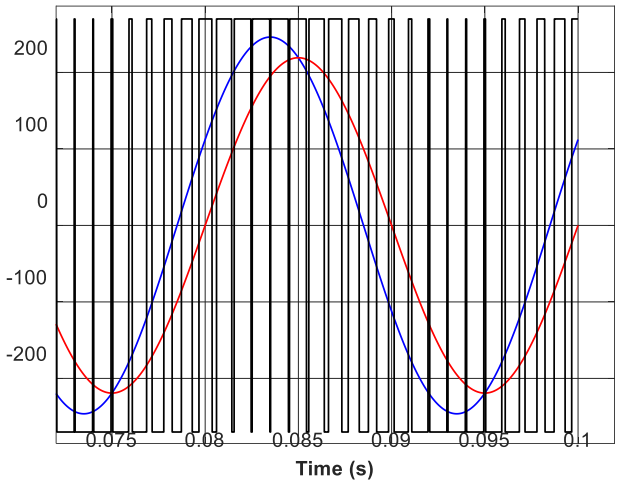
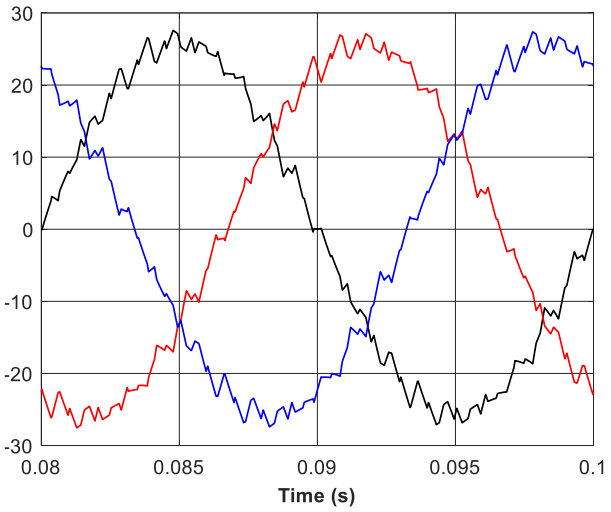
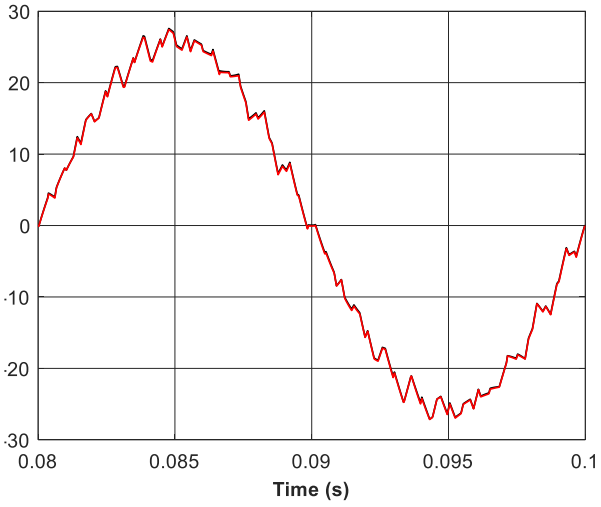
- TÜBİRAK satın almaları
- PWM makalesi taslak
- MATLAB kod model
- Motor tasarımı
- Üretim planı

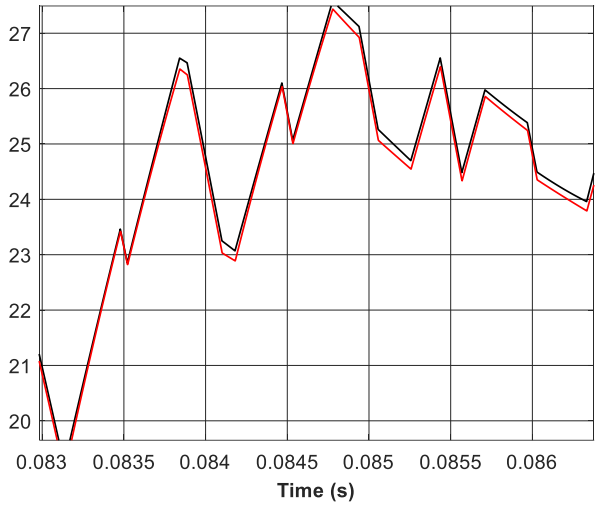
P_{out} = 8kW, f_{sw} = 1kHz, V_{dc} = 540V, n = 1

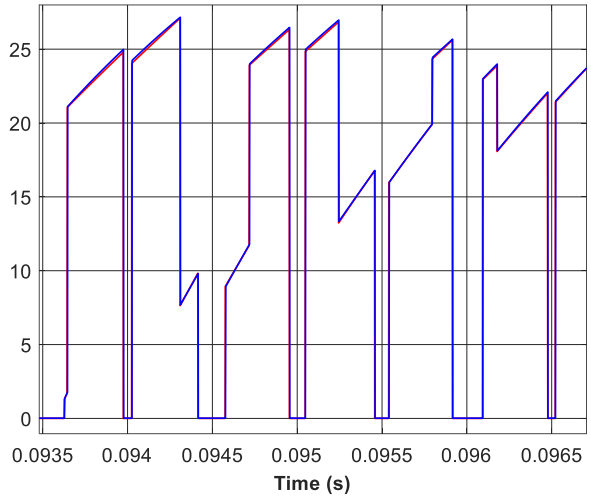


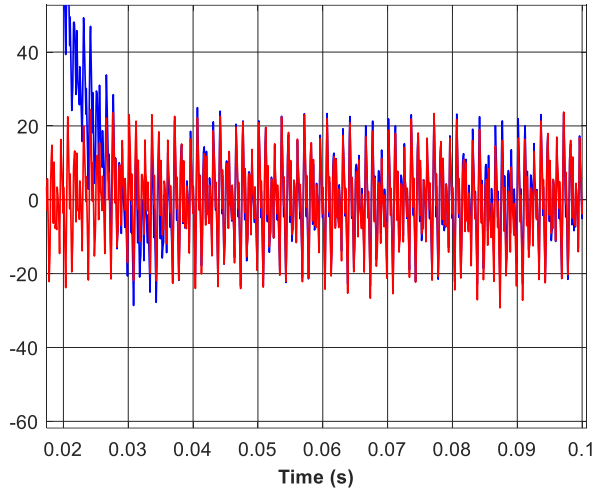


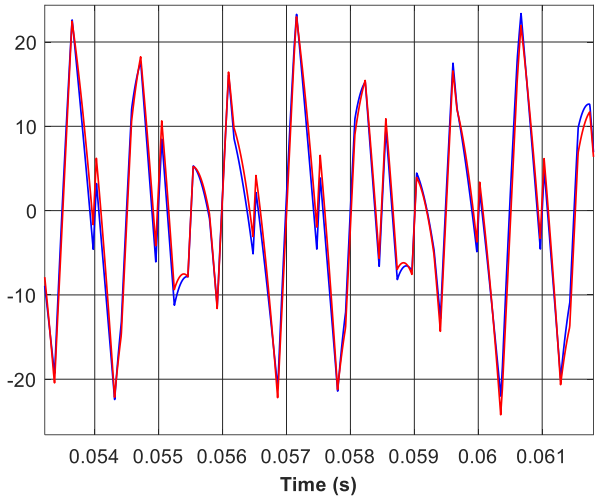


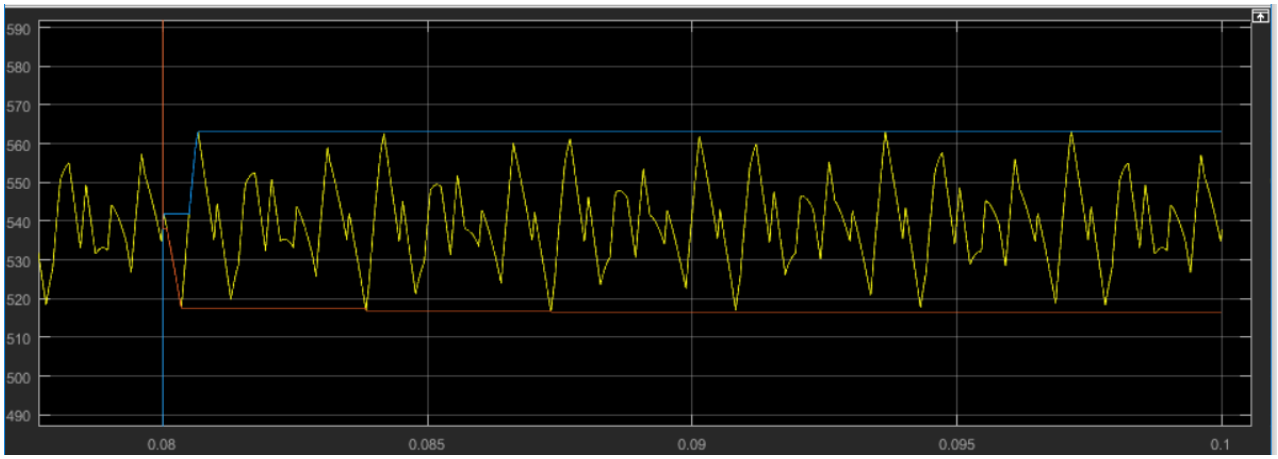



27
26
25
24
23
22
21
20
0.083 0.0835 0.084 0.0845 0.085 0.0855 0.086
Time (s)


25
20
15
10
5
0
0.0935 0.094 0.0945 0.095 0.0955 0.096 0.0965
Time (s)


40
20
0
-20
-40
-60
0.02 0.03 0.04 0.05 0.06 0.07 0.08 0.09 0.1
Time (s)


20
10
0
-10
-20
0.054 0.055 0.056 0.057 0.058 0.059 0.06 0.061
Time (s)


590
580
570
560
550
540
530
520
510
500
490
0.08 0.085 0.09 0.095 0.1

Parameter	Simulink	Model
DC Link Voltage Ripple (%)	8.612	8.357
DC Link Average Current (A)	15.78	15.76
DC Link Capacitor RMS Current (A)	10.10	10.15
Inverter Phase Voltage Fundamental RMS(V)	174.1	174.2
Inverter Phase Voltage Phase (deg)	27.07	27.11
Inverter Phase Voltage RMS (V)	270	270
Inverter Phase Voltage THD (%)	118.55	118.41
Inverter Line Voltage Fundamental RMS (V)	301.4	301.6
Inverter Phase Voltage Phase (deg)	57.06	57.12
Inverter Phase Voltage RMS (V)	382.8	382.9
Inverter Phase Voltage THD (%)	78.25	78.20
Line Current Fundamental RMS (V)	18.277	18.291
Line Current Phase (deg)	0.003	0.061
Line Current RMS (V)	18.303	18.317
Line Current THD (%)	5.355	5.377
Real Power Output (W)	8494	8504
Power Factor	0.8902	0.8896
Apparent Power (VA)	9542	9559

	MATLAB model	Simulink
Single	Elapsed time is 0.203848 seconds. Simulation finished.	Elapsed time is 22.859619 seconds. Simulation finished.
2 seri	Elapsed time is 0.265660 seconds. Simulation finished.	Elapsed time is 39.669662 seconds. Simulation finished.