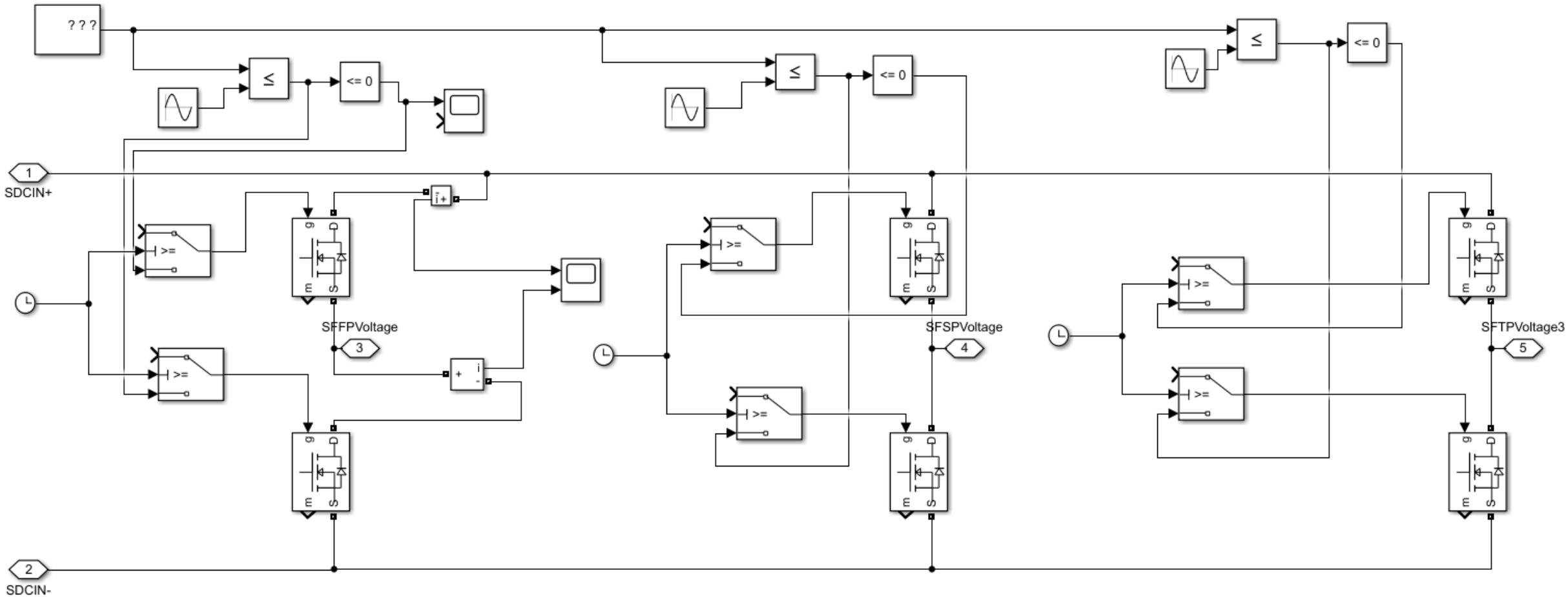
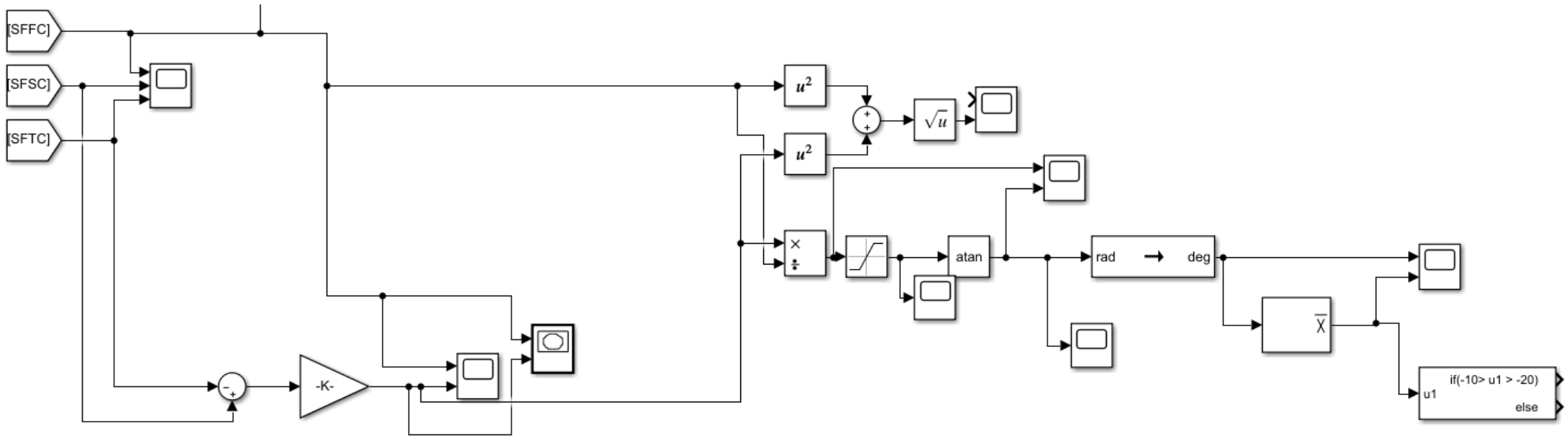
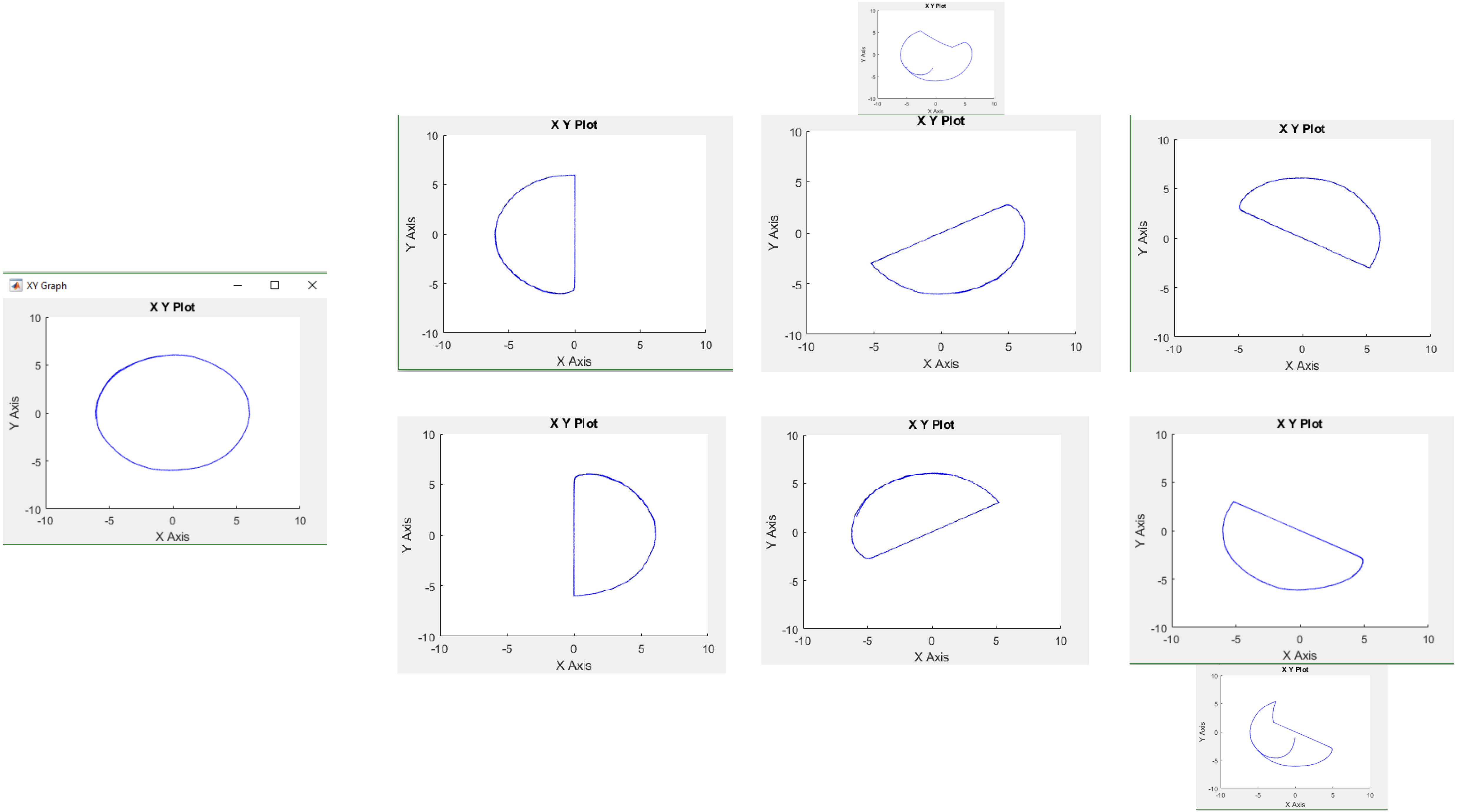
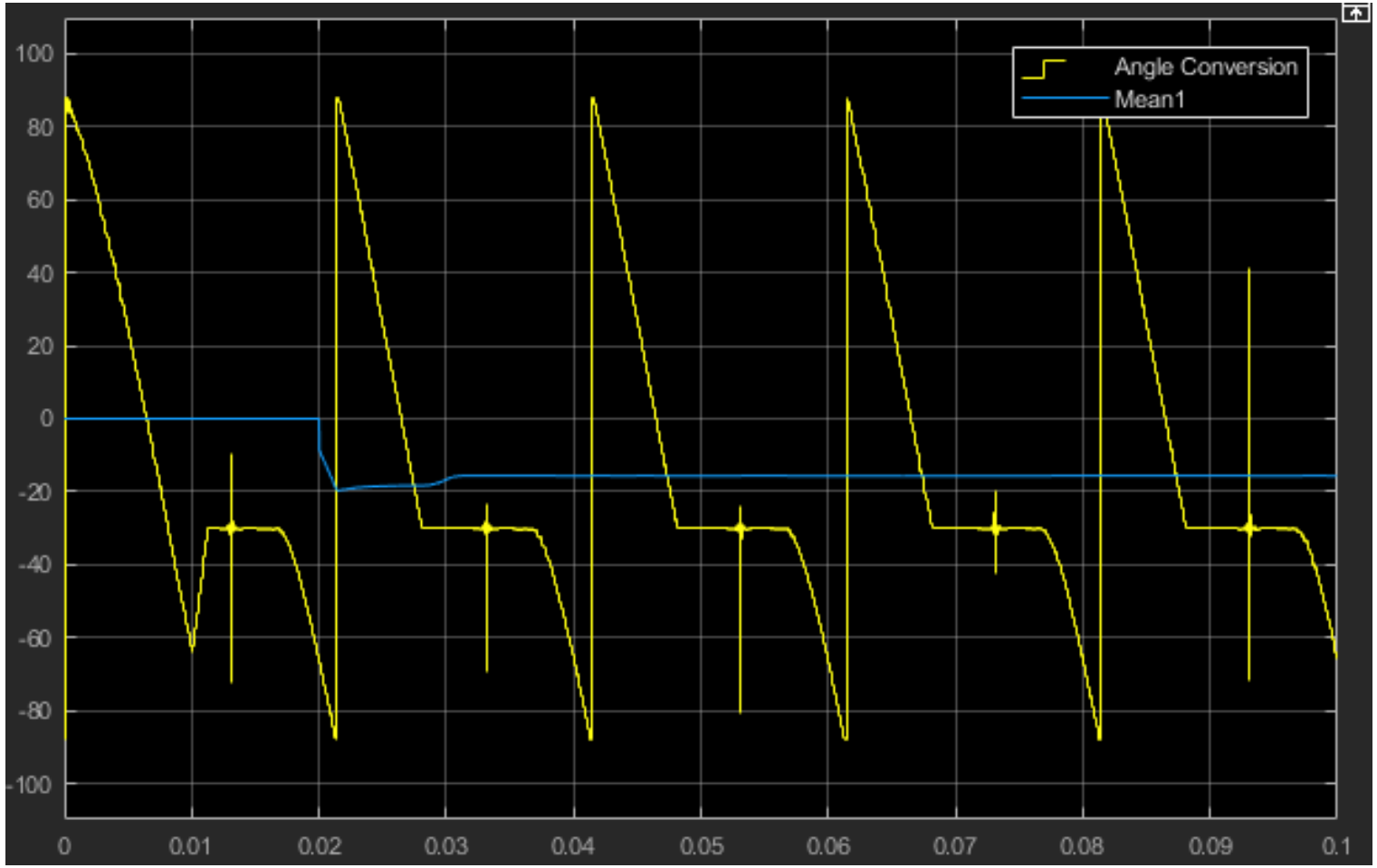

? ? ?
<= 0
<= 0
<= 0
1
SDCIN+
2
SDCIN-
SFFPVoltage
3
SFSPVoltage
4
SFTPVoltage3
5

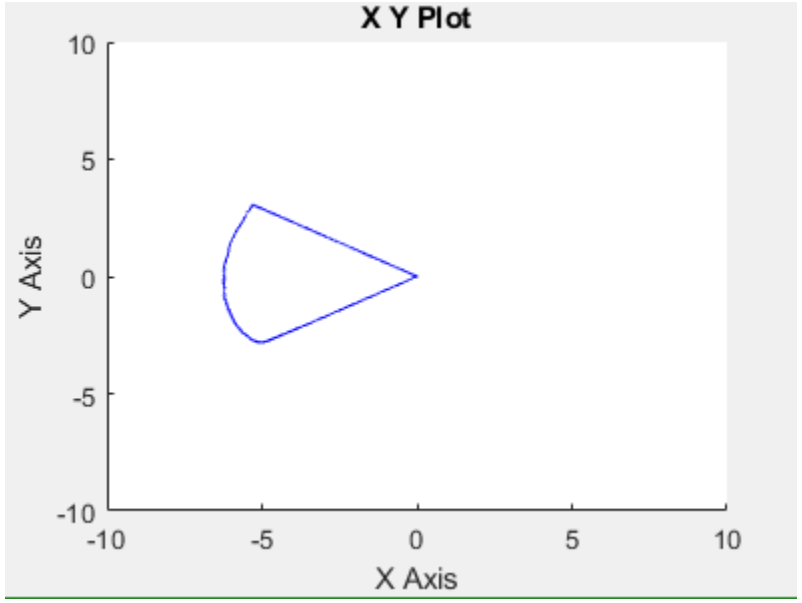

[SFFC]
[SFSC]
[SFTC]
-K-
u²
u²
√u
atan
rad
deg
X̄
if(-10> u1 > -20)
u1
else


XY Graph
X Y Plot
X Axis
Y Axis
10
5
0
-5
-10

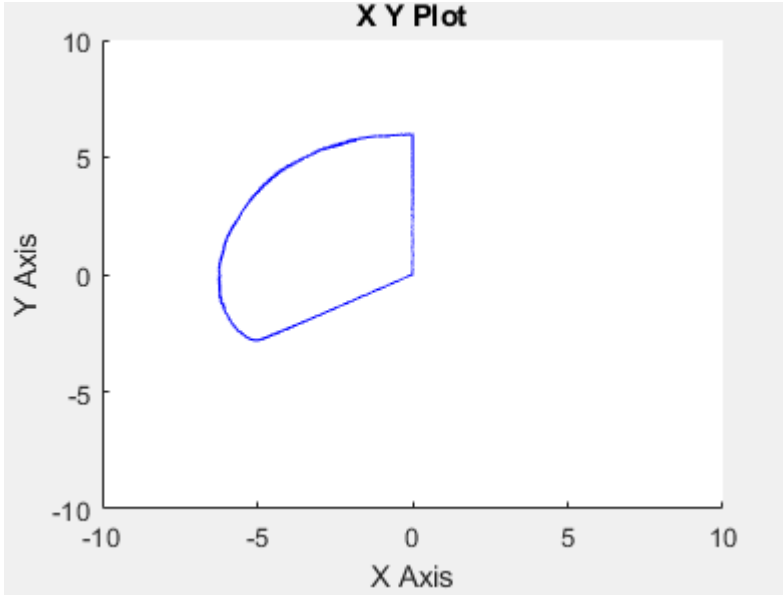
Mean of argument of park transform vector



Gives reasonable data for even multiple faults



T5 & T6



T1&T5

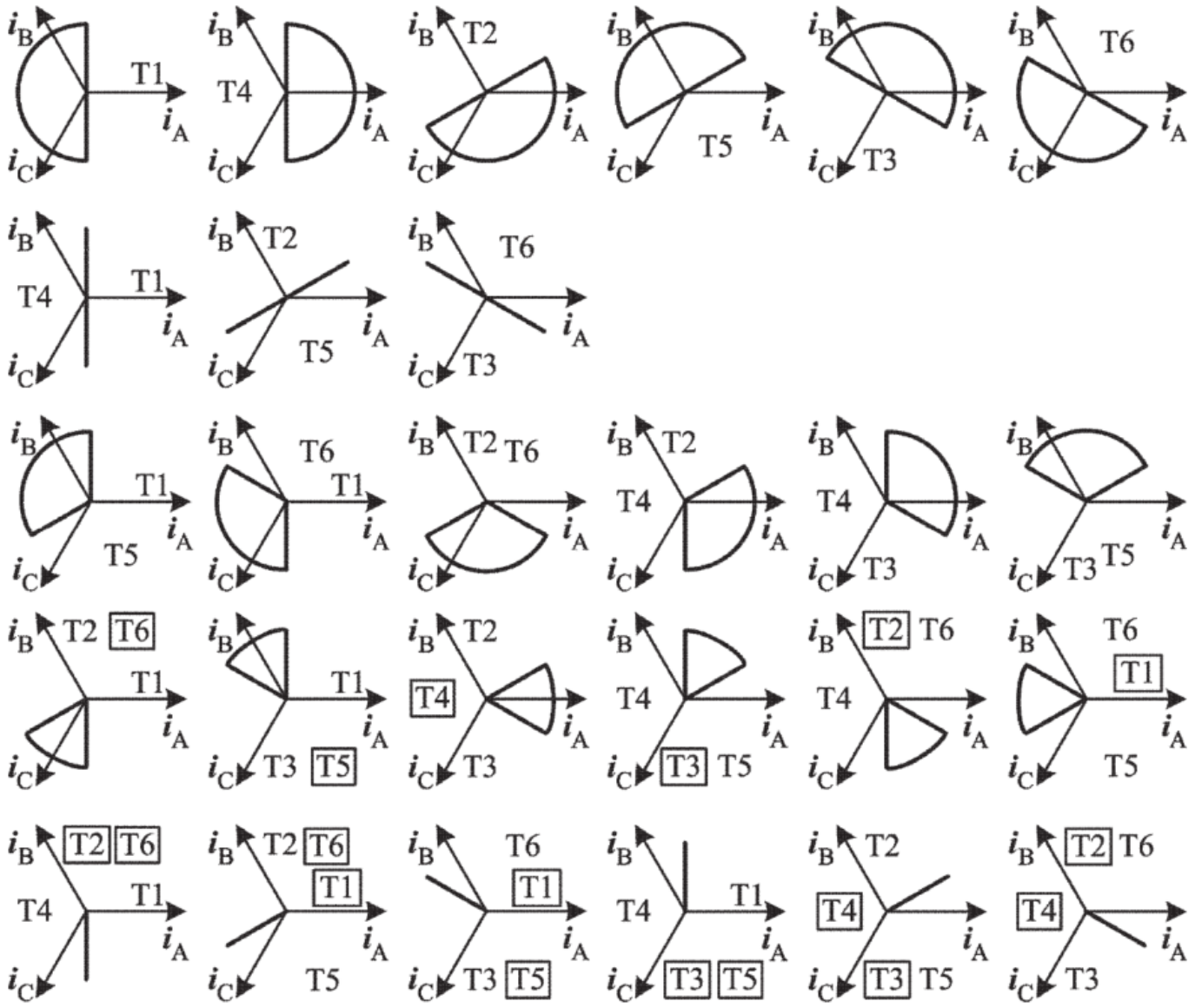


Fig. 3. Distinguishable fault modes corresponding to single and multiple open-transistor faults in the voltage-source inverter.

- or does it?

More methods

- Park’s vector method
- Normalized vector method(normalized using dft and 1st harmonic)?
- Modified normalized vector method ->seems to be the best choice??
- Slope method???