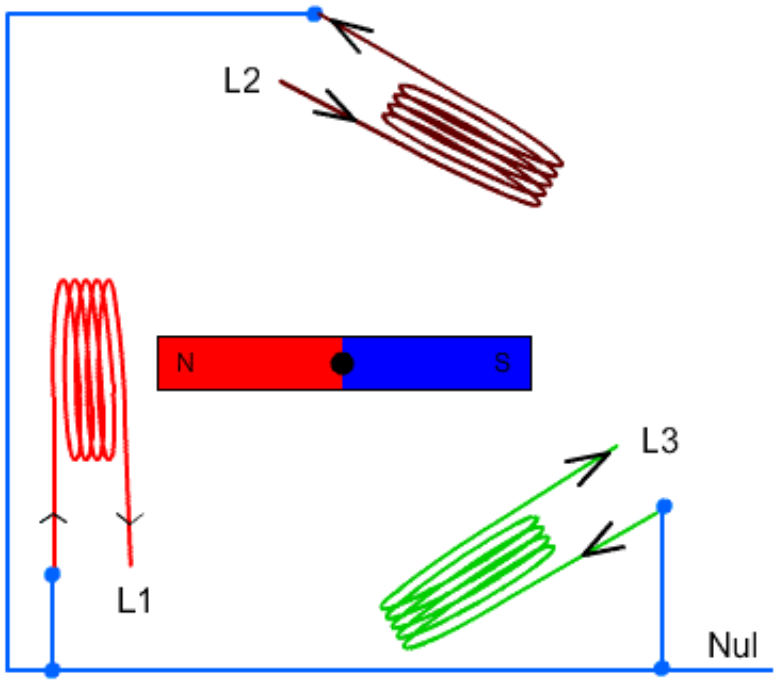
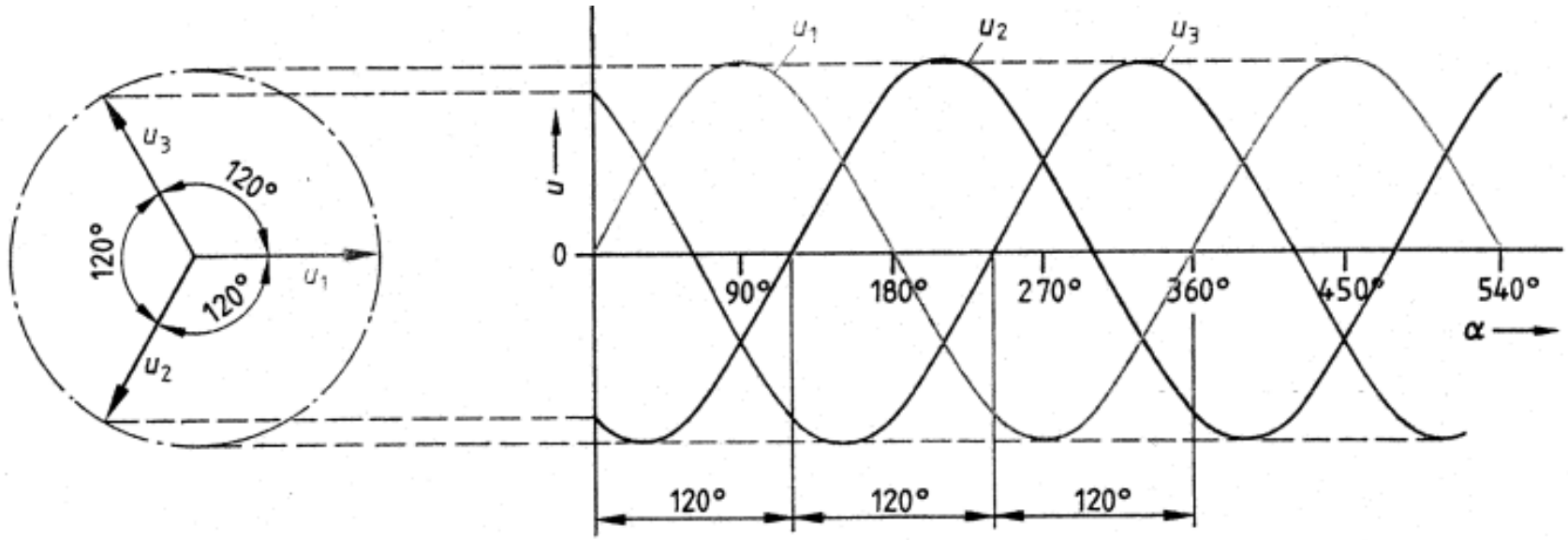
Mitme faasilised elektrisüsteemid on kasutusel?

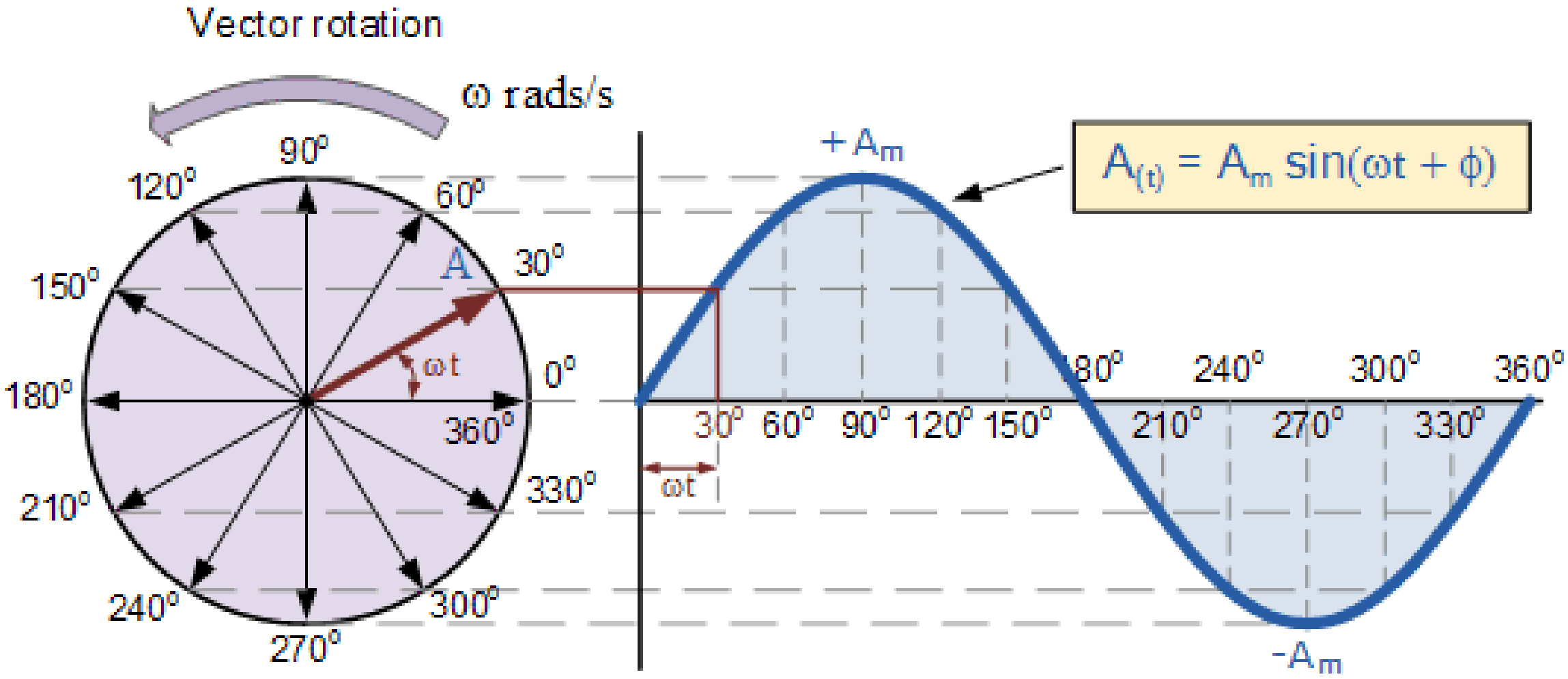
Kuidas teha 3 faasilisest süsteemist 1 faasiline süsteem?

Kuidas teha 1 faasilisest süsteemist 3 faasiline süsteem?

Miks on peamine elektrisüsteem 3 faasiline, mitte nt 1 või 6 või 12 faasiline?


L2
N
S
L3
L1
Nul


u3
120°
120°
120°
u1
u2
u
0
u1
u2
u3
90°
180°
270°
360°
450°
540°
α
120°
120°
120°


Vector rotation
ω rads/s
90°
120°
60°
150°
30°
A
180°
ωt
0°
360°
210°
330°
240°
300°
270°
+Am
-Am
A(t) = Am sin(ωt + ϕ)
30° 60° 90° 120° 150°
180° 210° 240° 270° 300° 330° 360°
ωt
Rotating Phasor
Sinusoidal Waveform in the Time Domain