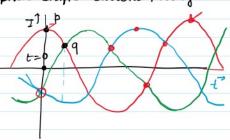
Rotating magnetic field which is weated when coil or windings are

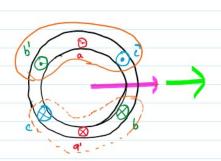
- mechanical displaced in space

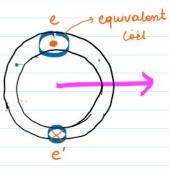
- excited with electrical phase shifted convents /voltages

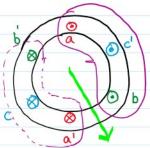




bunching or grouping conductors which have current in some direction











2 pole machine

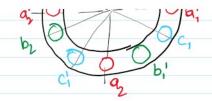
If we go through one complete electrical cycle then in this particular case under consideration we get one notation of the field vector

fe = f map -> mechanically we are tracing 360° [when clears alsignal goes through 360°)

In this particular case, te= {m



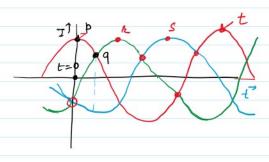
This chulture has six coils on it. These coils are carrying 3 phase balanced currents (voltages are applied)



are applied)

loils corresponding to phase are carrying current.

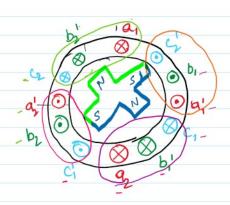


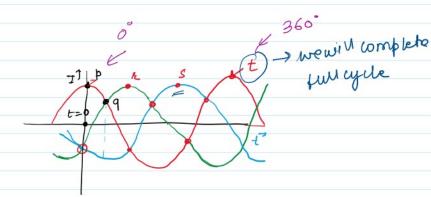


In this case we can viewte two equivalent coils

y there are two equivalent coils then the resultant magnetischould 4 (four) poles (two pole pairs)

four bole machine















corresponds to point t

corresponds to p'

We went through one complete electrical cycle (360° totation) but, mechanically we have gone through only half cycle (180° totation)

four pole system (4 poles on magnetic field)