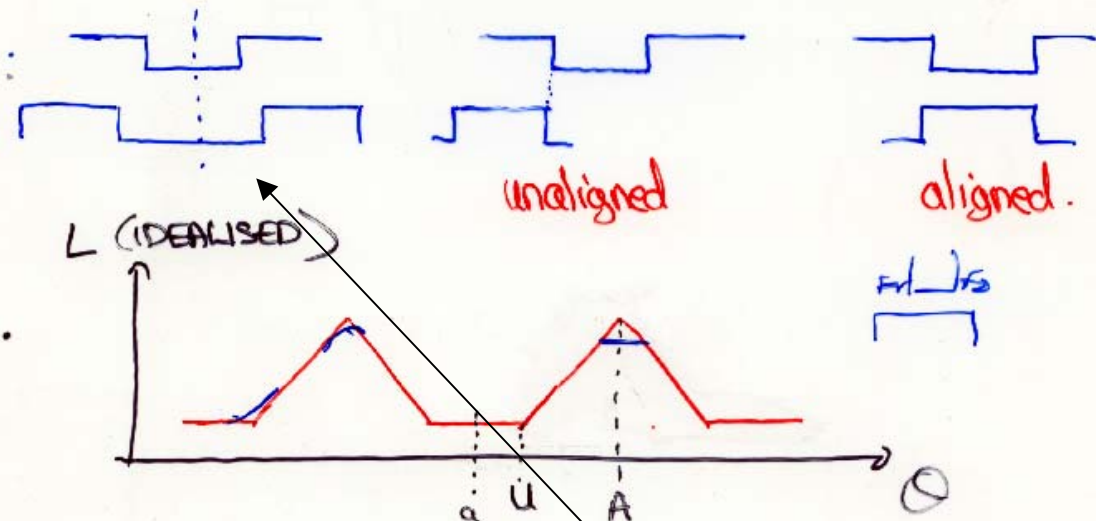
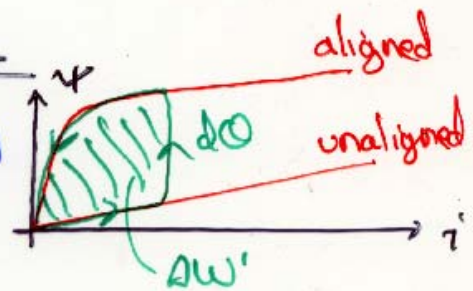


SR m/c - RE-CAP.

• Model using ψ - i diagram

$$T = dW' / d\theta$$



'U' – unaligned position;
'A' – aligned position;
'a' – stator poles aligned with
inter-polar arc of rotor, (as shown
in diagram).

• angular step, $\alpha = \frac{2\pi}{N_p N_r}$

• current direction \Rightarrow UNIPOLAR CURRENTS.

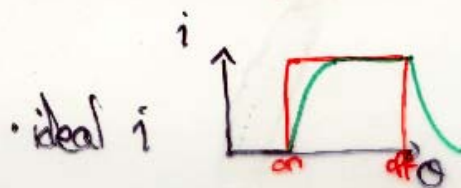
• TORQUE \rightarrow saliency torque.

• stator & rotor have poles (or teeth)

• each pole has a 'coil'

• coils on diametrically opposite poles are connected to form phases:

e.g. 12-pole stator



ASIDE

