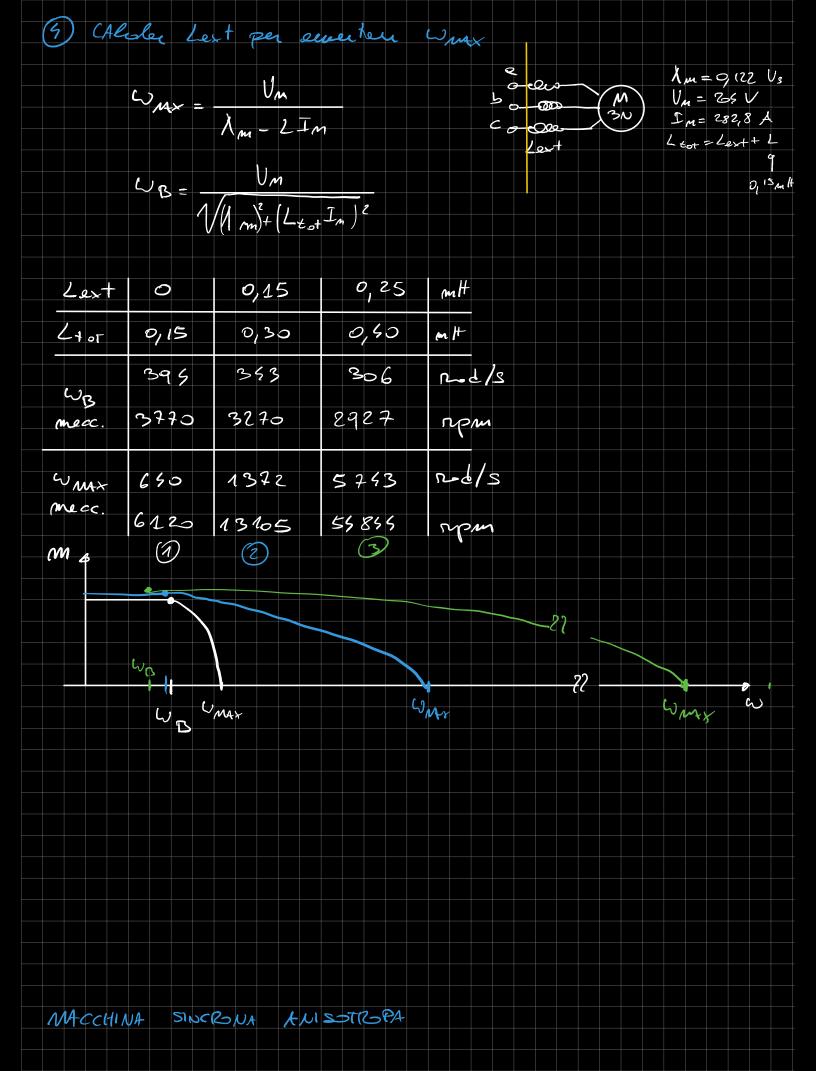
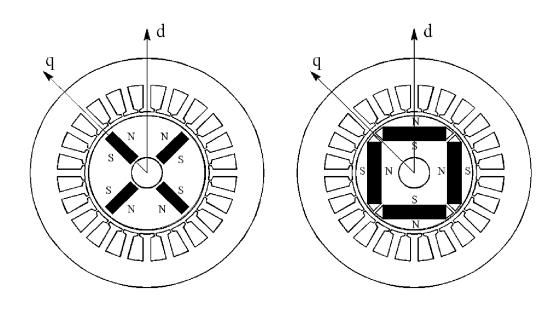
```
Esempis
   Um, Rus = 250 U
                           concetent &
                            R==0,6 VRMS Concetenete
   In, ms = 800 A
                                      ned/s
   L=0,15 mH
                           RZO
                                                    Concatering
   2p = 8
                                          KECUM = VPNS = 13E = 13 COM /m = 13 COM P /m
    V_{m} = \frac{\sqrt{2.250}}{\sqrt{3}} = \frac{204}{}
                                          \lambda_{m} = \sqrt{\frac{2}{3}} \frac{k_{ci}}{p} = \sqrt{\frac{2}{3}} \frac{0.6}{9} = 0.122 \text{ Vs}
    In = 1/2.20 = 282,84
1) Valocità a moto
                                        \int Jd = 0 \qquad \begin{cases} \Lambda d = \Lambda m \\ \Lambda q = 0 \end{cases}
                                       U° = Um = 205 _ 1672 rd
Xm 9122 S
   Se climents can Un
                                      W_{5} = \frac{W_{5}^{2}}{8} = \frac{1672}{5} = \frac{518}{5} = \frac{518}{5}
(2) Calcalar le WB
   Id =0
Ig = Im
                     M = 3 p /m In = 3 5.9122. 2878 = 207 Nm
                        11d = Lm
11g = 2 Im
     V_{d}^{2} + V_{g}^{2} = V_{m}^{2} \qquad \left( \omega_{B} L I_{m} \right)^{2} + \left( \omega_{B} \lambda_{m} \right)^{2} = U_{m}^{2}
                           UB [(LIn)2 + Kn] = Un
     WM = WB
                             WB = Um
                                    - Um = 209 = 1579,5

V(CEM) = 1/(0,15.103 287,9) = +0,122 = 1599,5
                                                                                             اهم<u>ا</u>
2
```



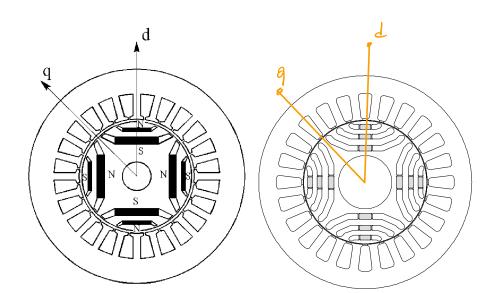
## The rotor configurations

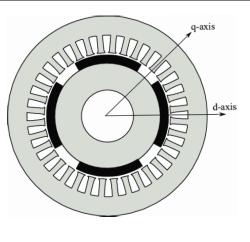
- tangentially magnetized PMs
- radially magnetized PMs

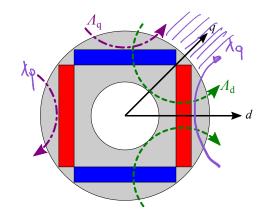


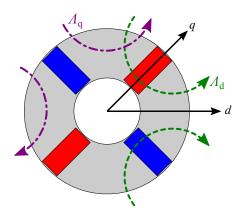
## The rotor configurations

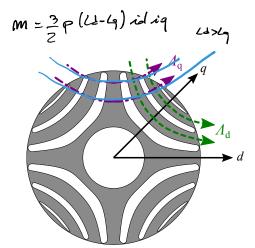
- two flux-barriers per pole
- more flux—barriers per pole
- axially laminated rotor.

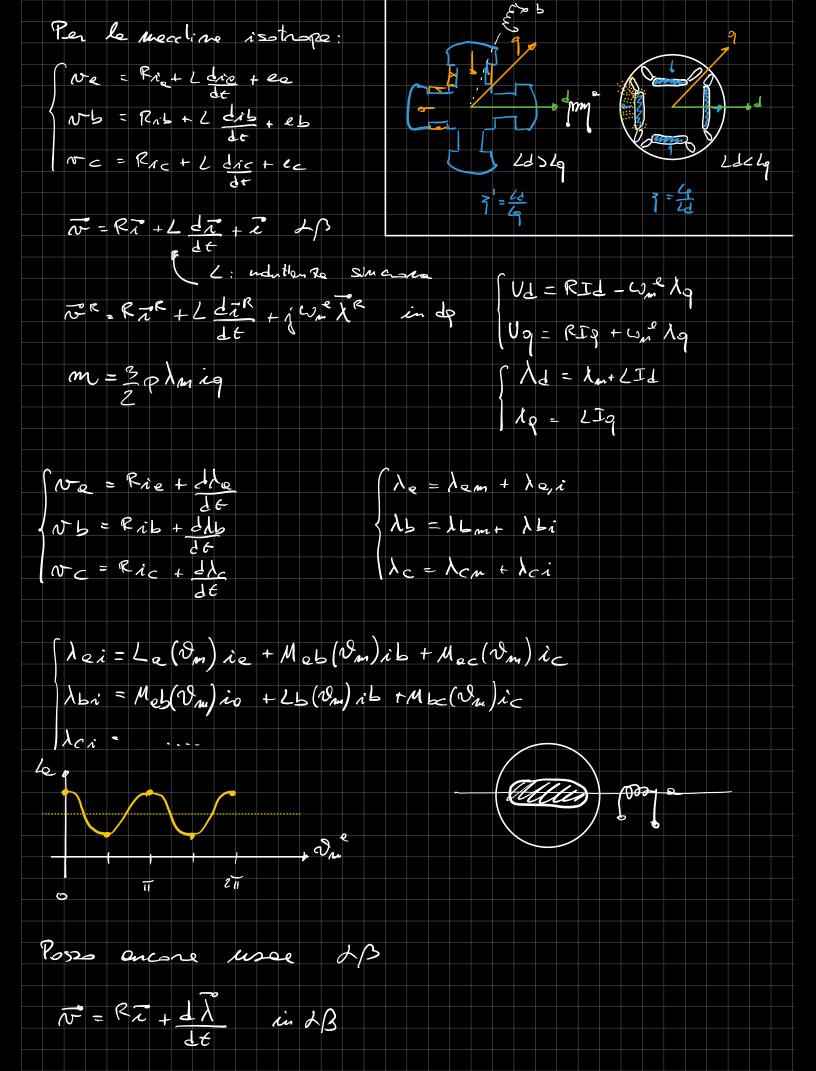












& jons in do WR=RIR+dik+jweikk Not = Rid + did - welg tengo senje i 1 109 = Rip + dde + weld S: po dinostrare [ Nd= Nm + Llid lag = Laig Nd = Rid + Ld did \_walqiq rop = Rip + la die + wa ( km + Ldid) N = R x + [ld] dr 7  $\begin{bmatrix} v_{2} \\ v_{3} \end{bmatrix} = \begin{bmatrix} i_{1} \\ i_{3} \end{bmatrix} + \begin{bmatrix} i_{2} \\ i_{3} \end{bmatrix} + \begin{bmatrix} i_{2} \\ i_{4} \end{bmatrix} + \begin{bmatrix} i_{2} \\ i_{3} \end{bmatrix} + \begin{bmatrix} i_{3} \\ i_{4} \end{bmatrix} + \begin{bmatrix} i_{4} \\ i_{5} \end{bmatrix} + \begin{bmatrix} i_{5} \\ i_{5} \end{bmatrix} + \begin{bmatrix} i_$ Colole le coppre 3 (véil+veig) - P3 + dt + Pont Pout = 3 wme ( ) mig + Ld idig - Lg i dig) = 3 wm. P ( hm ig + (Ld-Lg) idip) = wm. m Ld=Lq ~ m= 37 Amie "SPA" m = 3 p / Am ip + (Ld-Lg) rid ip 62<69 id<0 Am=O MOTORS A RILLTIANER SYMPM