

- → Activity of HER at different surfaces of the electrocatelyst Pt
- → Low-index planes: (001) (111)

  Indexes upto 3
- -> Plane with highest atom doneity (Planar doneity)
- -> Line with highest atom density (Linear density)
  - = No. of atoms largth of live sag.
- -> Paroblum:

hp lattice; a=3.6 Å, c=5.7 Å

atoms at (0,0,0) and (2/3, 1/3, 1/2)

linear density along [TIO] =?
Planar density along (110) =?

Ans

0,1 (on (110) plane)

length = 3×len([T10])

No of atoms - 1 (1+1) + 1+1



