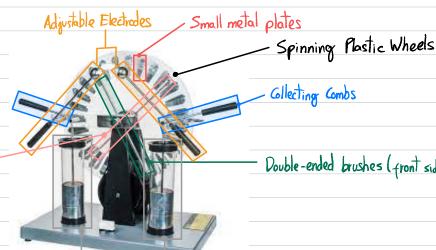
The Wimshurst Machine Lecture 1

o Usa-se este método para gerar cargas de sistemas opostos.



Leyden Jars

Double-ended brushes (front side)

- o Notice that the brushes on either side are perpendicular to each other.
- . Also notice that the wheels spin in opposite directions.
- 1 Suppose the back plate starts with a small negative charge.

Double - ended brushes (back side)



2 When the charge lines up with the brush on the front side, it induces a positive charge on the near side of the brush, and a negative charge on the far side.



- 3 Soon the charges rotate to a position apposite the brush on the back side of the machine (dashed line).
- 4) The charges on the front wheel induce opposite charges on the plates of the back wheel that are touching the brush (blue)





