

apply Voltage vs current
is voltammetry



$$\Delta G = - n F E^\circ$$

$\uparrow$
 no e⁻ involved

$\rightarrow$ Faraday constant

NPTTEL

$$I \text{ for } V = \frac{7}{2}$$

$$2NI \approx 2NI + 1 = 2 \times 1 \times \frac{7}{2} + 1 = 8 \text{ lines}$$

no. of Vanadiums (1) nuclear spin $V' = \frac{7}{2}$

NPTTEL

Nmr

→ found in MHz

↑
Mega

EPR

→

found in GHz

↑
Giga.

NPTTEL

NMR Relaxations

Longitudinal (T_1)

Transverse (T_2)

$T \propto \frac{1}{r^6}$ → obtain

↑ measure experimentally

↑ distance between the paramagnetic center and the proton that is being studied.

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