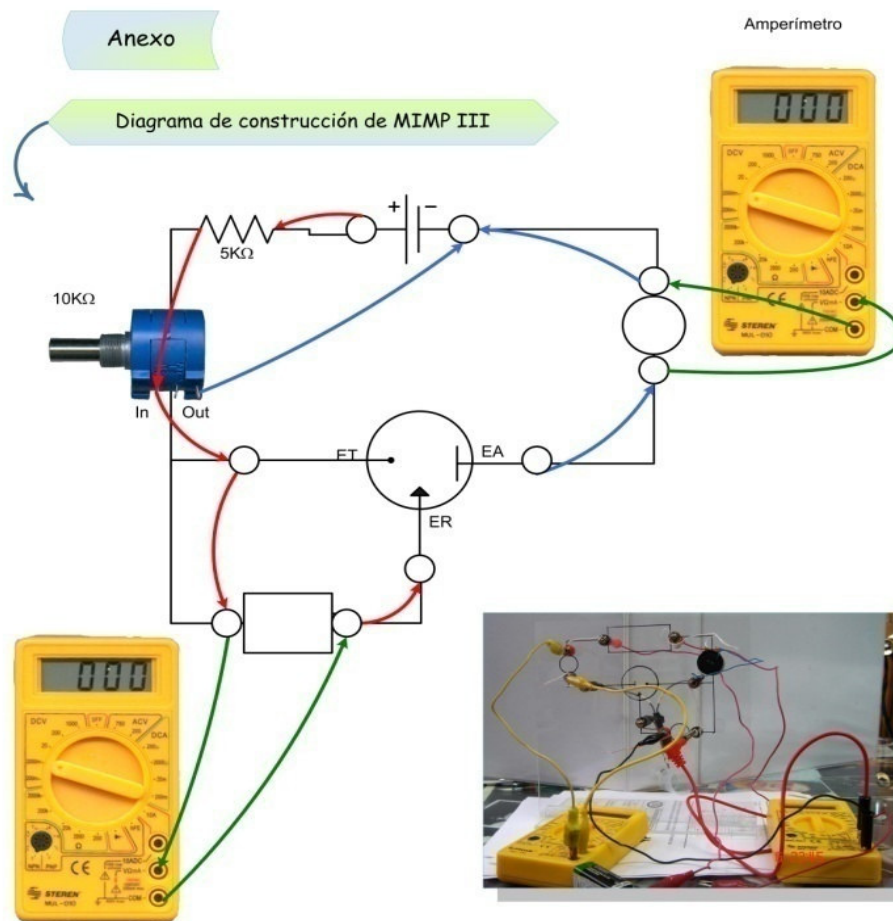
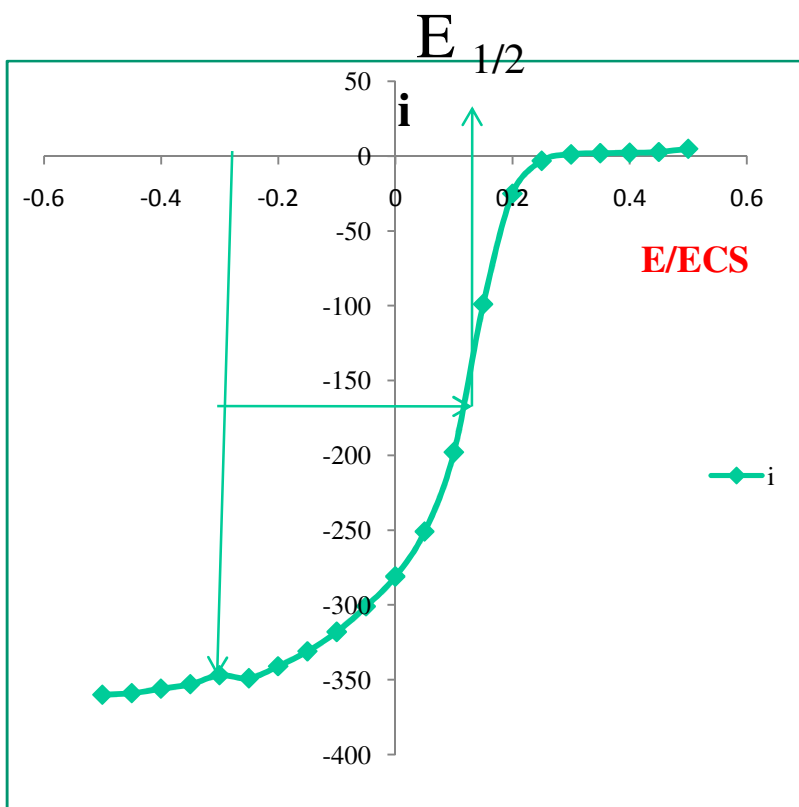


Voltamperograma a tiempo de muestreo $\tau = 30s$
 con micropolarógrafo de mínima instrumentación y microelectrodos
 con $ET = C$; $EA = C$, y $ER = ECS$
 Hexacianoferrato (III) $Co = 0.01 \text{ mol/L}$



La relación de los datos de E impuesto y corriente medida.
Ecuación general:

Si $\eta=0$

$$E = E^{\circ} + \frac{0.06}{n} \log \frac{[Ox]_{el}}{[Red]_{el}}$$

$$i = nK_{red} [C_{red} - [Red]_{el}]$$

$$i_{red} = nK_{red} C_{red}$$

$$i = -nK_{ox} [C_{ox} - [Ox]_{el}]$$

$$i_{ox} = -nK_{ox} C_{ox}$$

$$E = E^{\circ} + \frac{0.06}{n} \log \frac{i - i_{ox}}{i_{red} - i} + \frac{0.06}{n} \log \frac{K_{red}}{K_{ox}}$$

$$E = E^{\circ} + \frac{0.06}{n} \log \frac{i - i_{ox}}{i_{red} - i} + \frac{0.06}{n} \log \frac{K_{red}}{K_{ox}}$$

ecuación para una solución
que contiene solo oxidante
Fe(III):

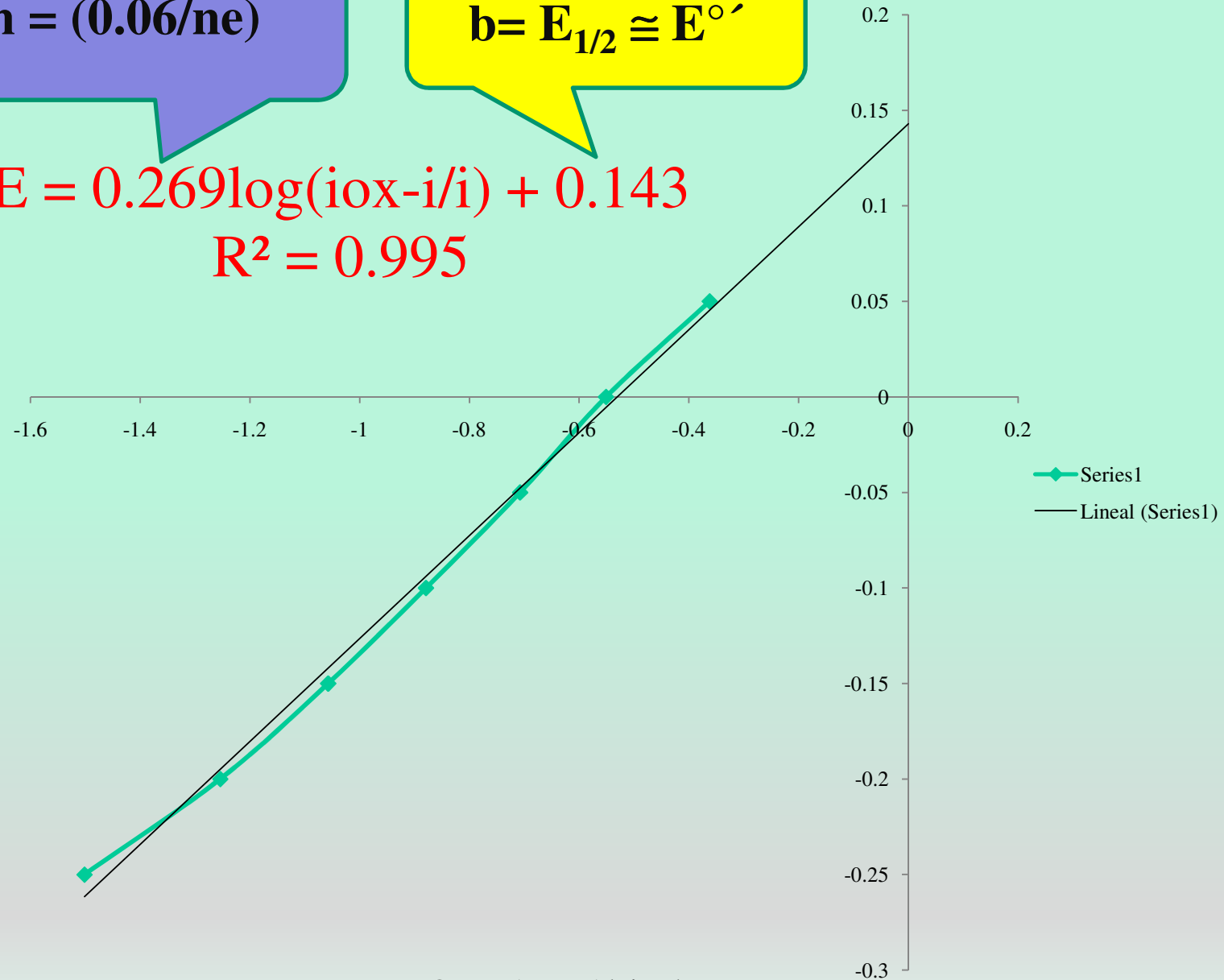
$$E = E^{\circ} + \frac{0.06}{n} \log \frac{i_{ox} - i}{i}$$

$$E = E_{1/2} + \frac{0.06}{n} \log \frac{i_{ox} - i}{i}$$

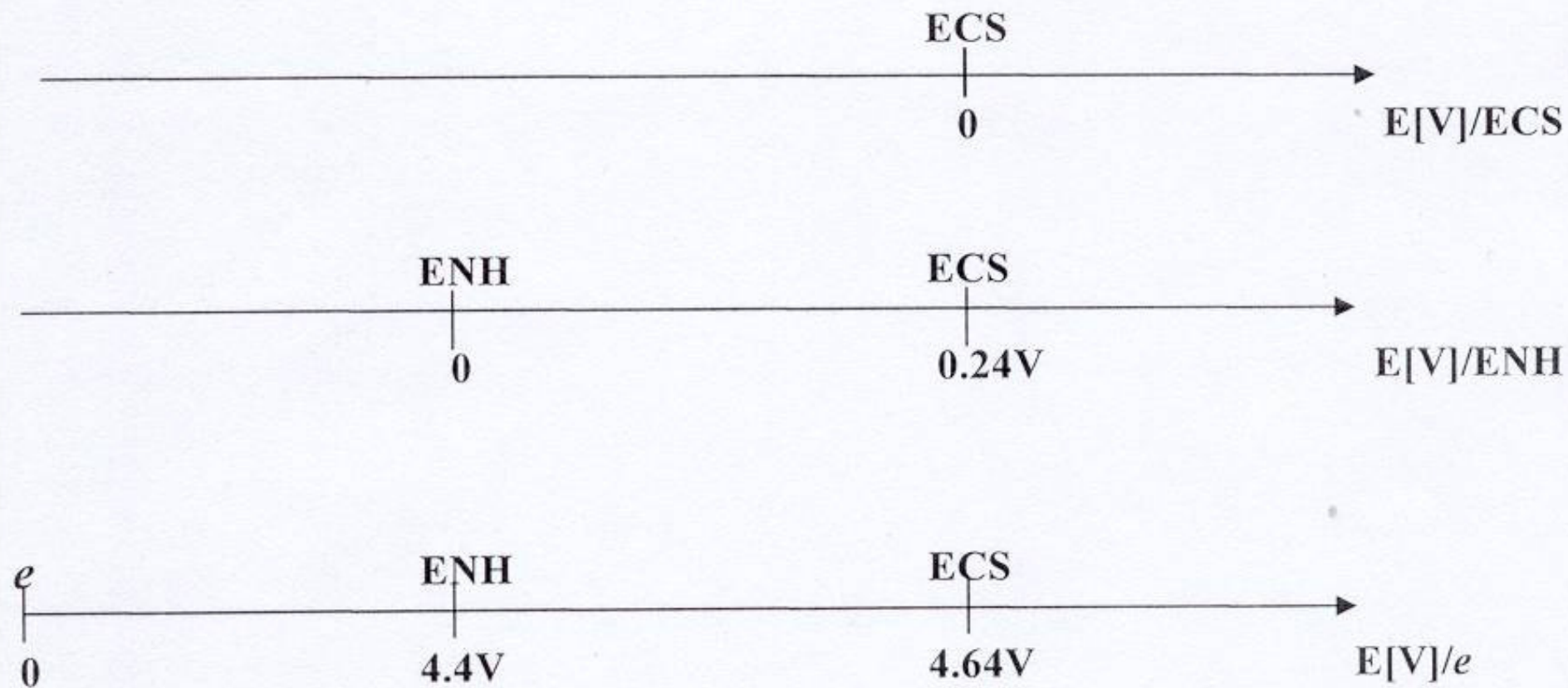
$$m = (0.06/ne)$$

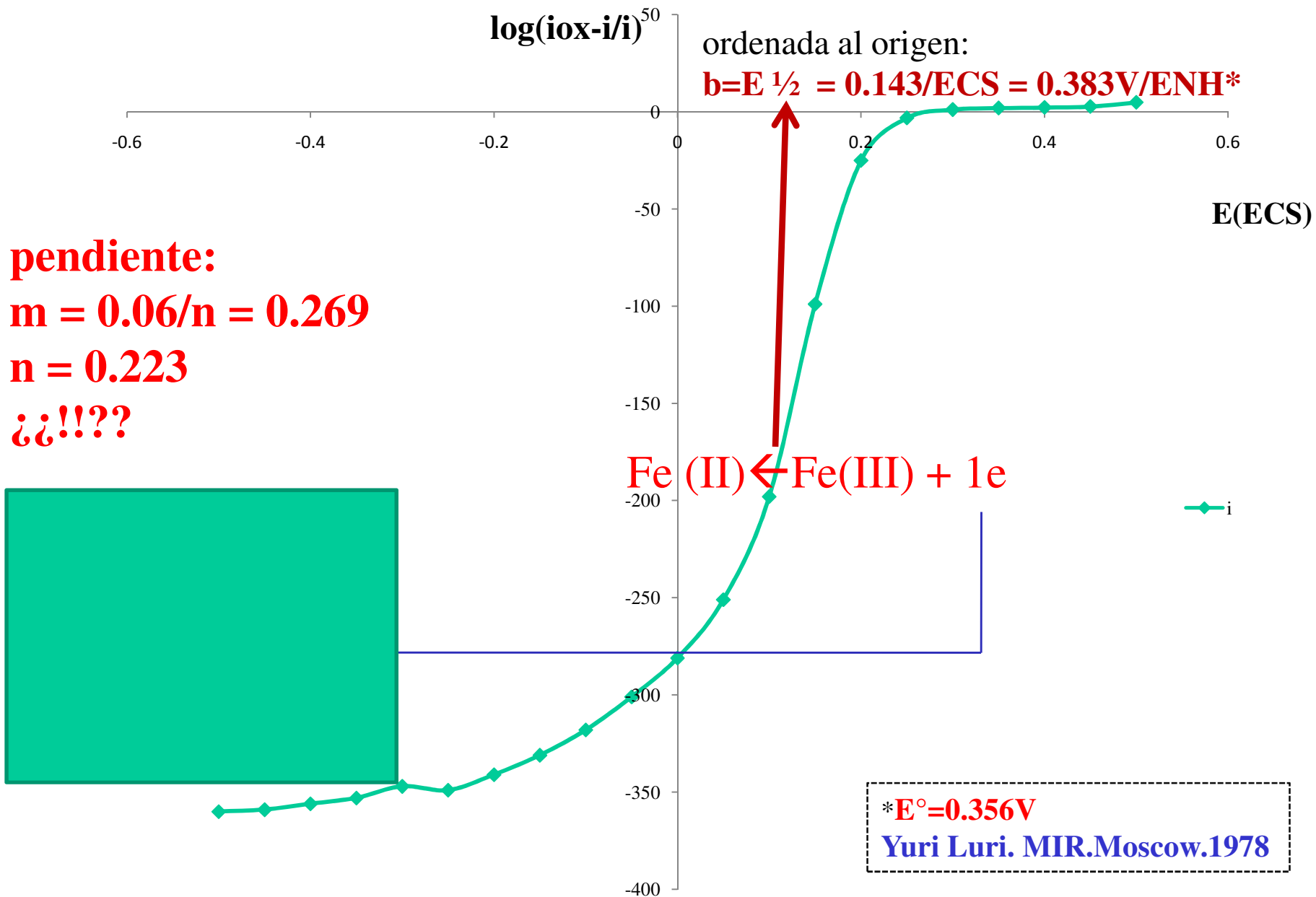
$$b = E_{1/2} \cong E^{\circ'}$$

$$E = 0.269 \log(i_{ox} - i/i) + 0.143$$
$$R^2 = 0.995$$



Se muestra la relación entre los electrodos de referencia con respecto a la escala absoluta:





$$E = E^{\circ} + \frac{0.06}{n} \log \frac{i_{ox} - i}{i}$$

$$E = E_{1/2} + \frac{0.06}{n} \log \frac{i_{ox} - i}{i}$$

Ecuación con parámetro cinético:

$$E = E_{1/2} + \frac{0.06}{\alpha n} \log \frac{i_{ox} - i}{i}$$