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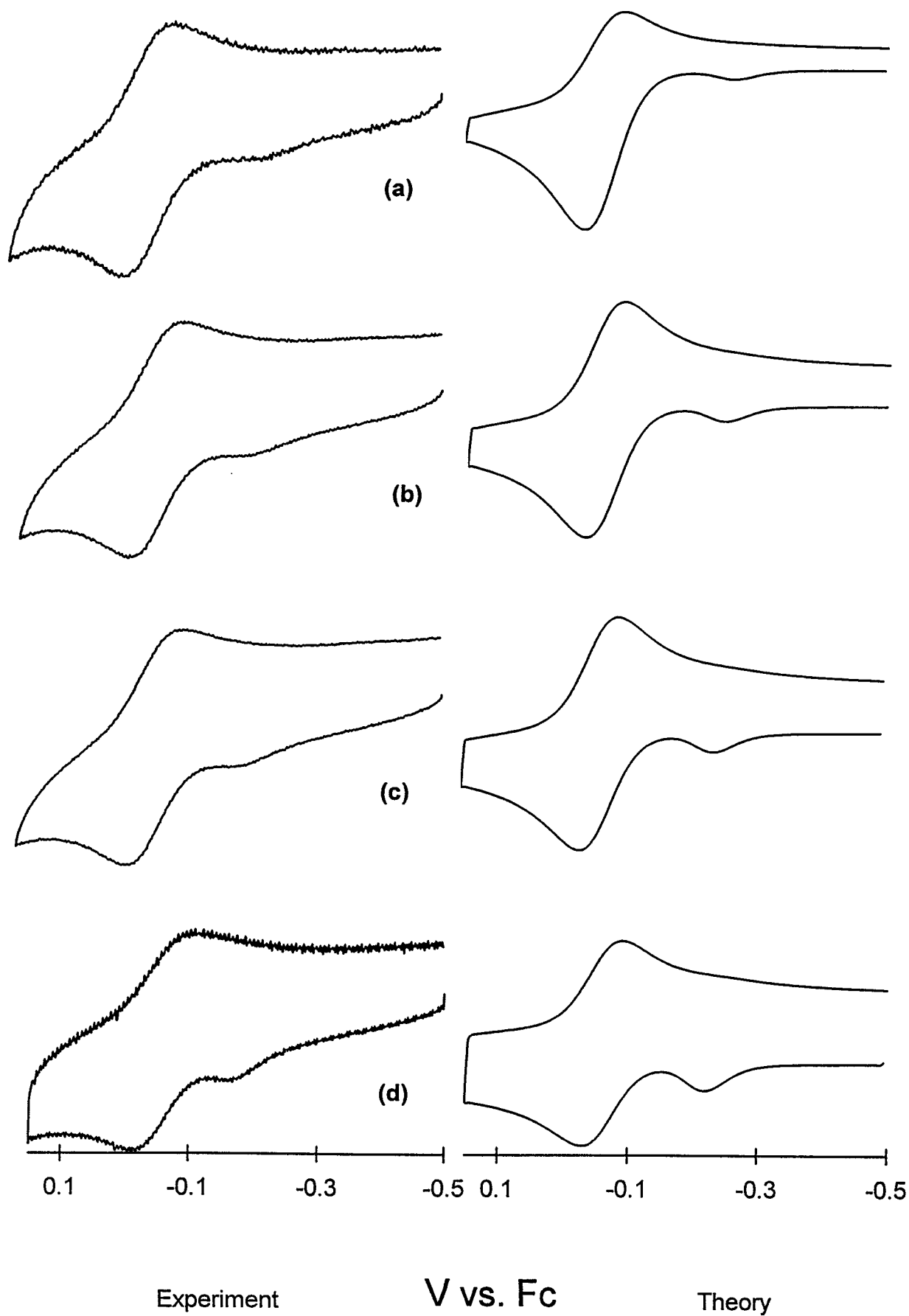
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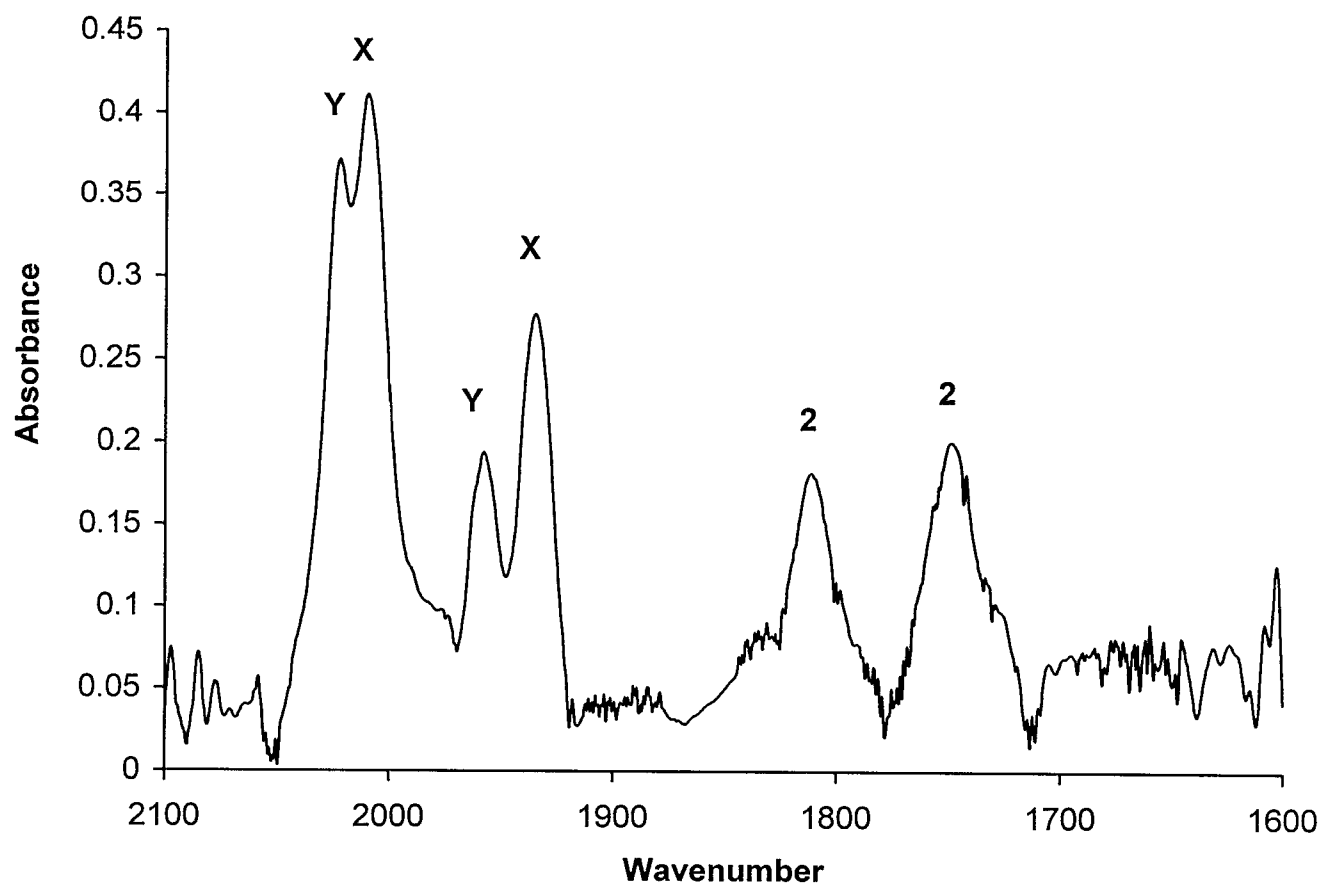
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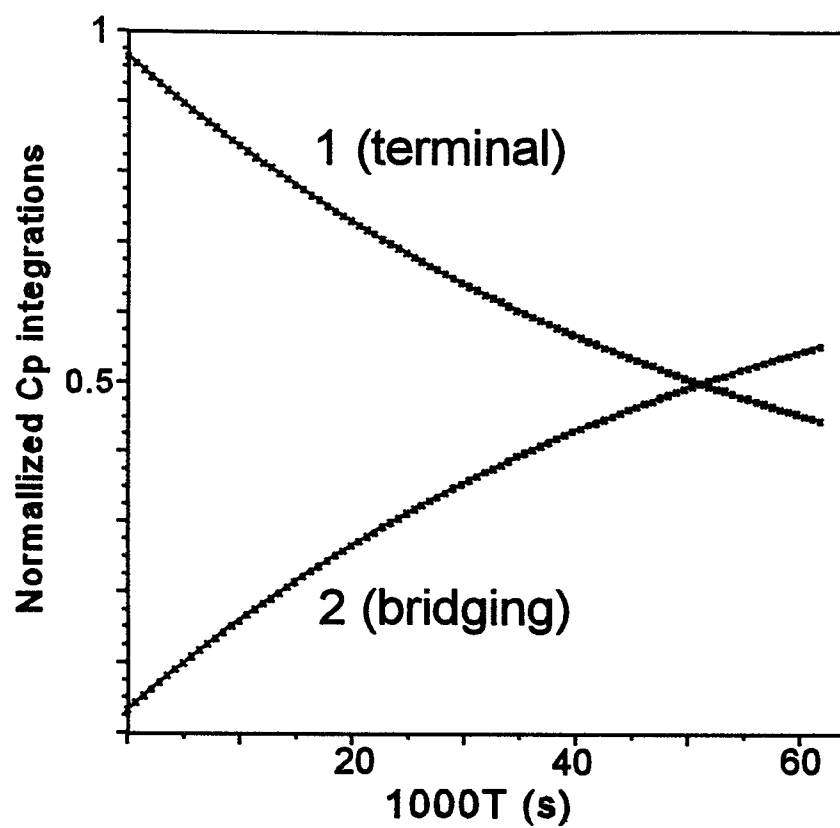
- Suppl Fig 1. Experimental (left) and digitally simulated (right) CV responses of 0.21 mM **1** in CH₂Cl₂ at 293 K. Scan rates are (a) 0.05 V/s (b) 0.20 V/s (c) 0.40 V/s and (d) 1.6 V/s. Simulation parameters given in Table III.
- Suppl Fig 2. IR spectrum after exhaustive anodic electrolysis of 1.0 mM **1** in CH₂Cl₂ at $E_{\text{appl}} = 0$ V recorded with fiber optic probe. Assignments of X and Y: 2024 and 1959 cm⁻¹ (Y): CpCo(CO)₂; 2011 and 1935 cm⁻¹ (X): Cp^{*}Ir(CO)₂.
- Suppl Fig 3. Integrated ¹H-NMR resonances of **1** and **2** recorded on a d₈-toluene solution over a period of about 16 hours. The concentrations in the Figure are normalized for a small amount of a side product which reached about 10% total composition by the end of the experiment.
- Suppl Fig 4. Fluid solution ESR spectrum of the reduction product of **1** (assigned to **2**⁻) in THF after brief contact with K at 213 K. Spectrum recorded at ambient temperature.



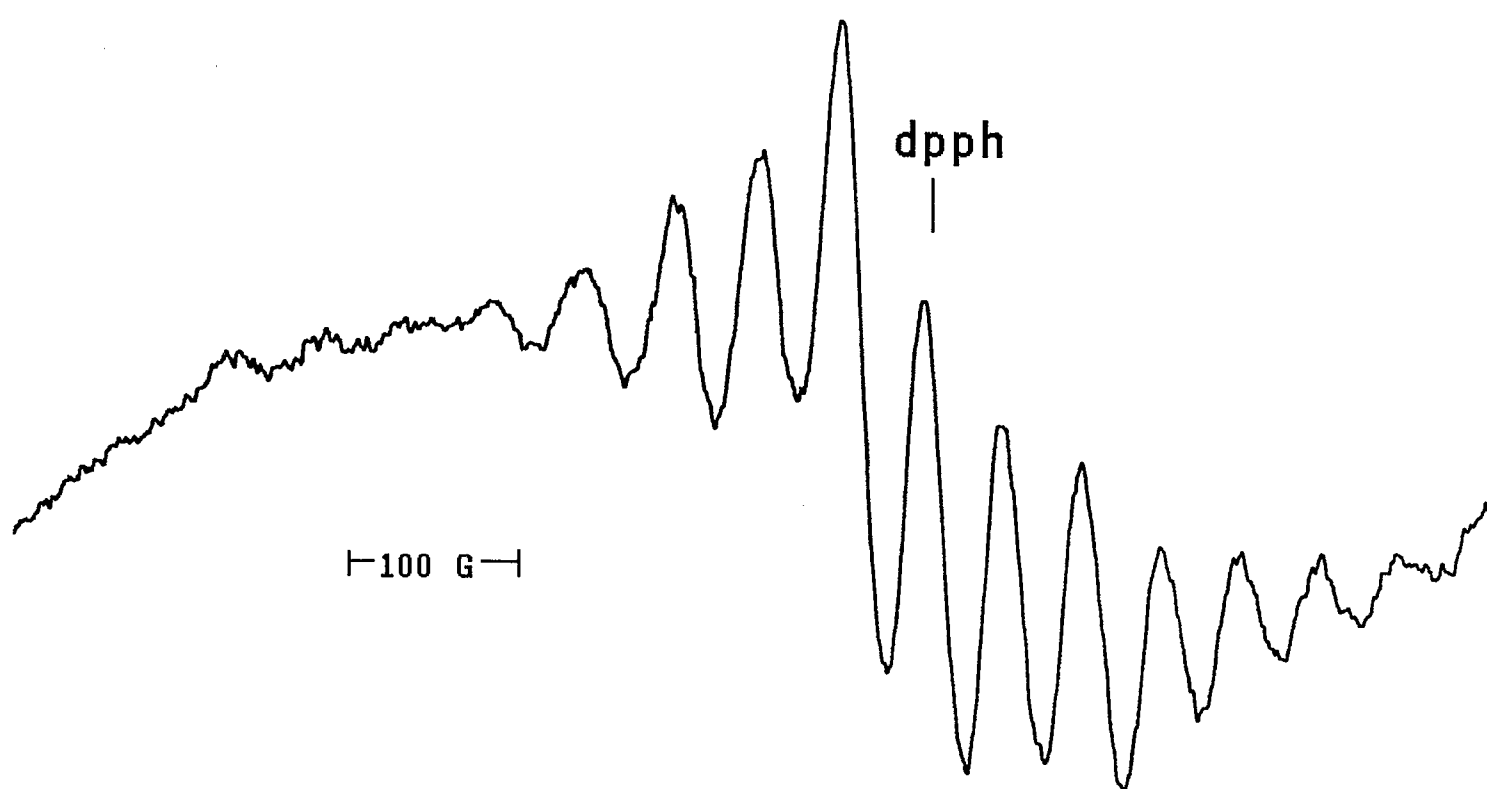
SM Fig 1



SM Fig 2



SM Fig 3



SM Fig 4