

Figure 50 Cyclic voltammogram of ligands couple I (dmazpy and deazpy) scanned with various scan rates (50-1000 mV/s).

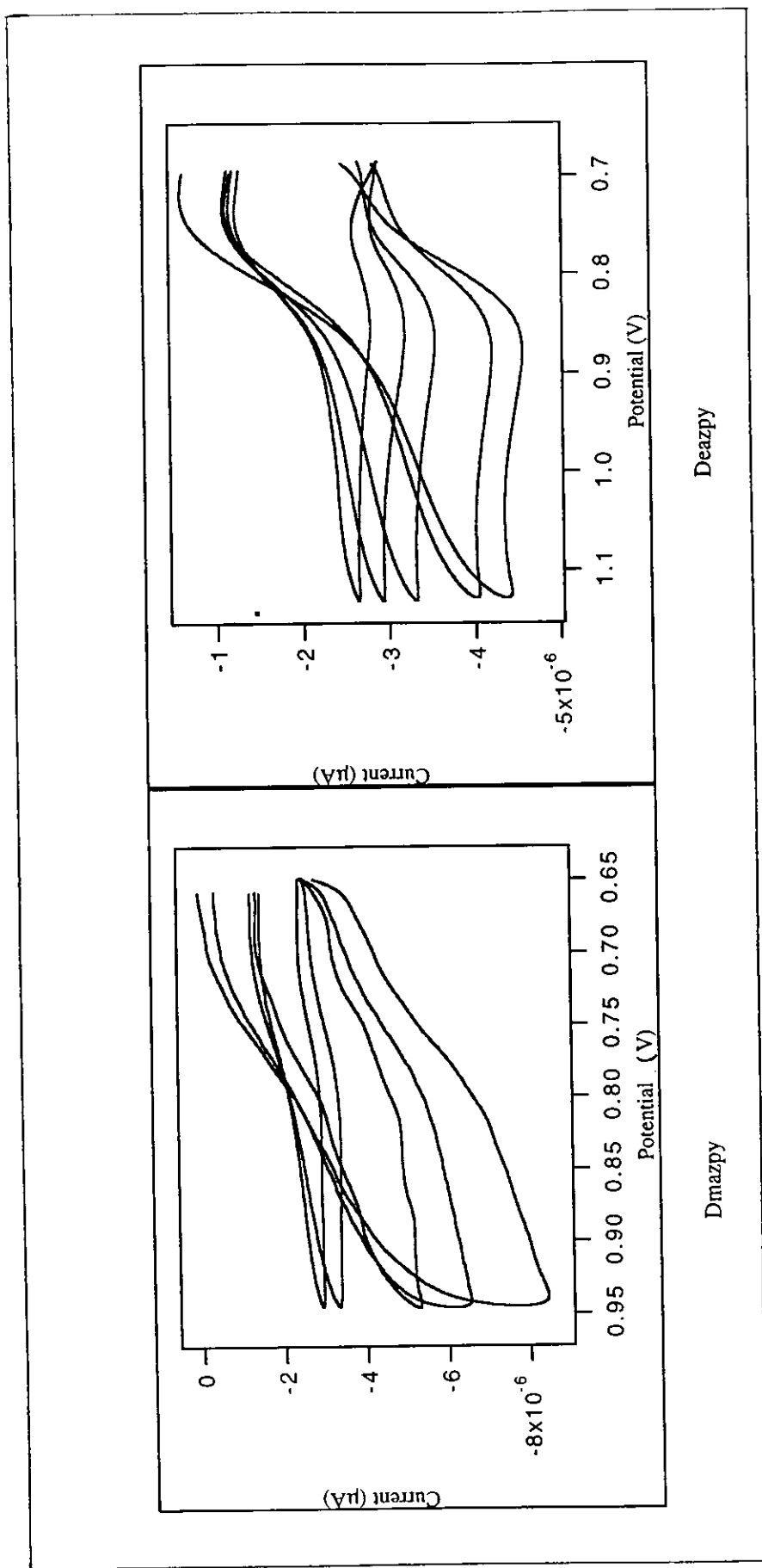


Figure 51 Cyclic voltammogram of ligands couple II (dmazpy and deazpy) scanned with various scan rates (50-1000 mV/s).

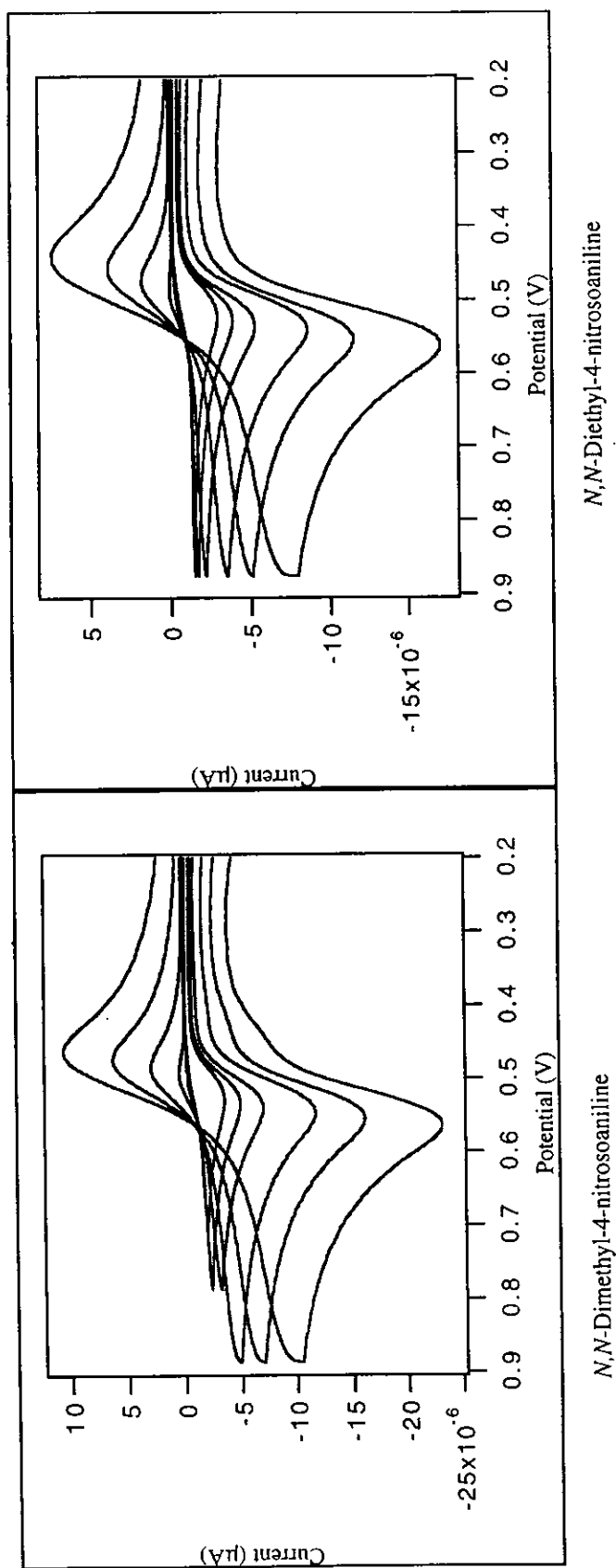


Figure 52 Cyclic Voltammogram of *N,N*-dimethyl-4-nitrosoaniline and *N,N*-diethyl-4-nitrosoaniline scanned with various scan rates (50-1000 mV/s).

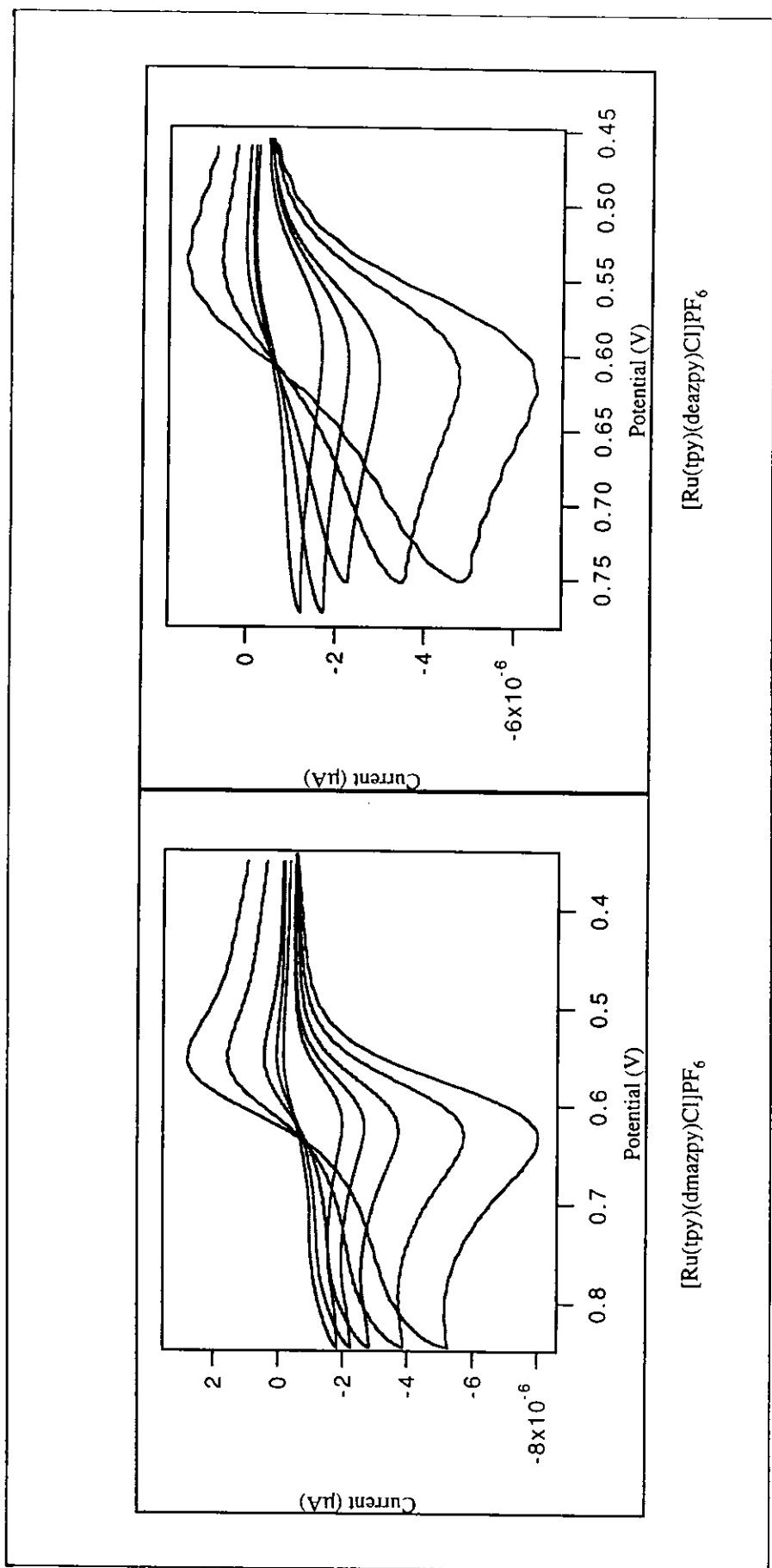


Figure 53 Cyclic voltammogram of couple III in oxidation range of $[\text{Ru}(\text{tpy})(\text{L})\text{Cl}]\text{PF}_6$ (L = dmazpy and deazpy) complexes by varying scan rates (50-1000 mV/s).

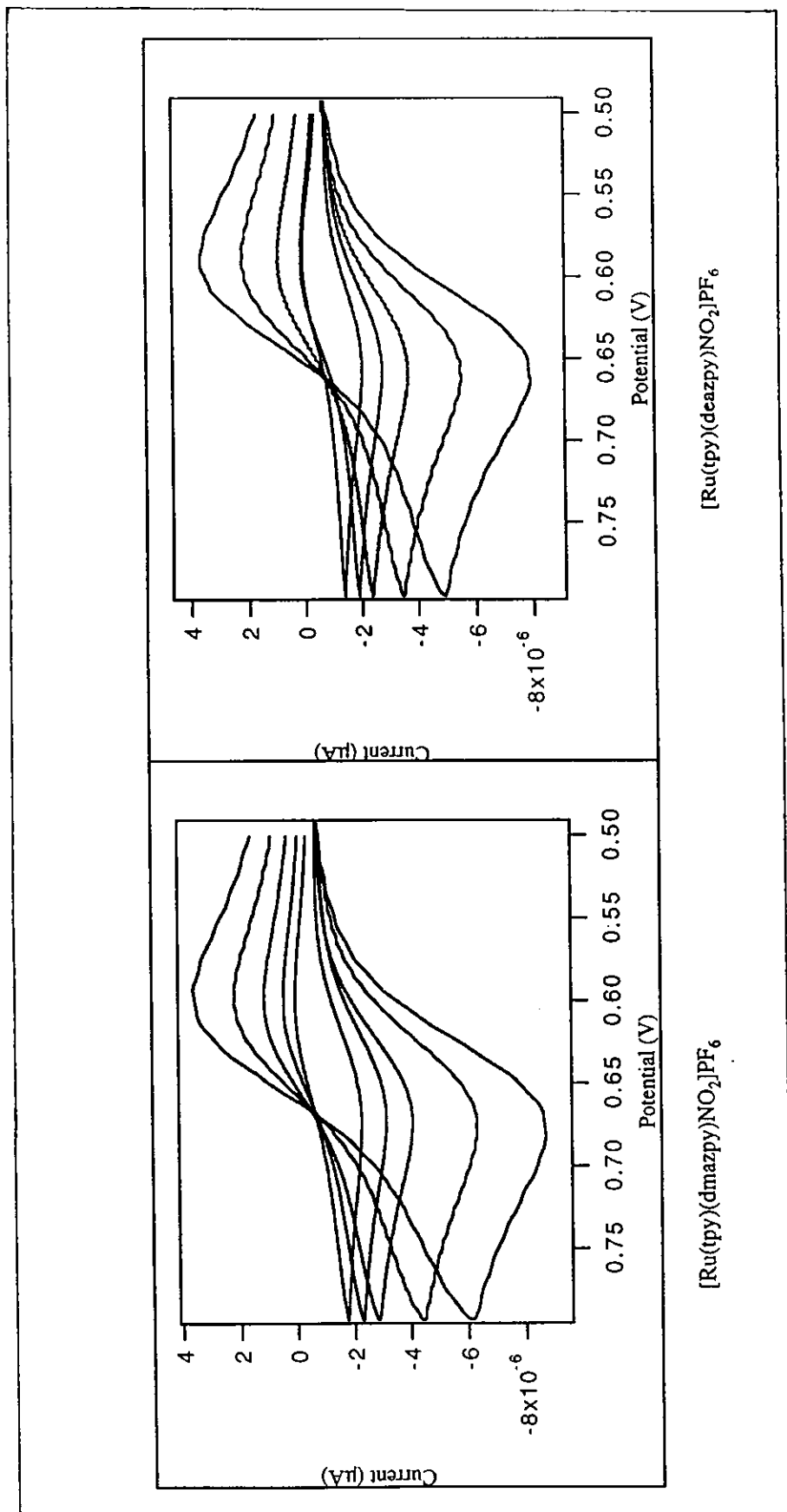


Figure 54 Cyclic voltammogram of couple III in oxidation range of $[\text{Ru}(\text{tpy})(\text{L})\text{NO}_2]\text{PF}_6$ (L = dmazpy and deazpy) complexes by varying scan rates (50-1000 mV/s).

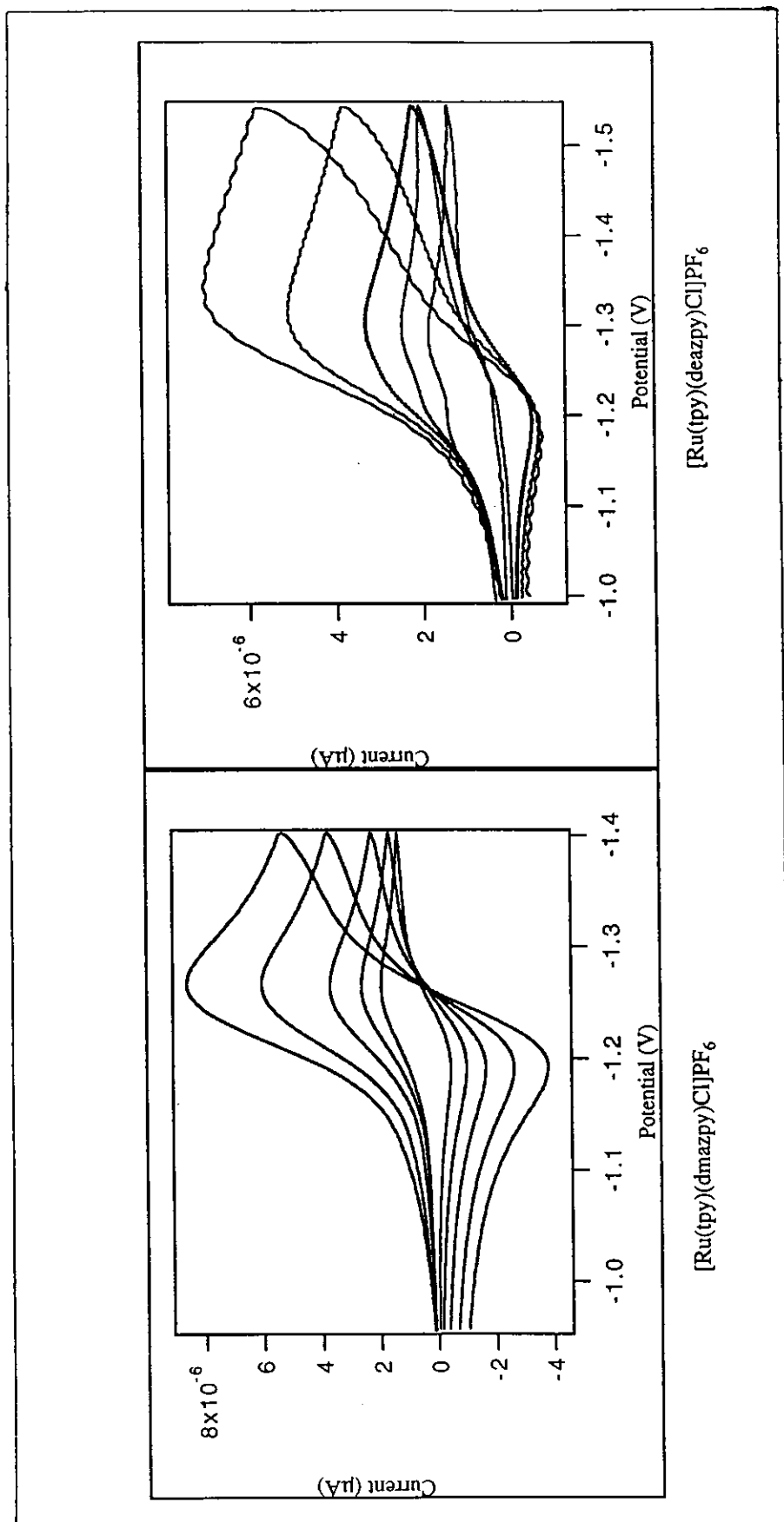


Figure 55 Cyclic voltammogram of couple I in reduction range of $[\text{Ru}(\text{tpy})(\text{L})\text{Cl}]\text{PF}_6$ (L = dmazpy and deazpy) by varying scan rates (50-1000 mV/s).

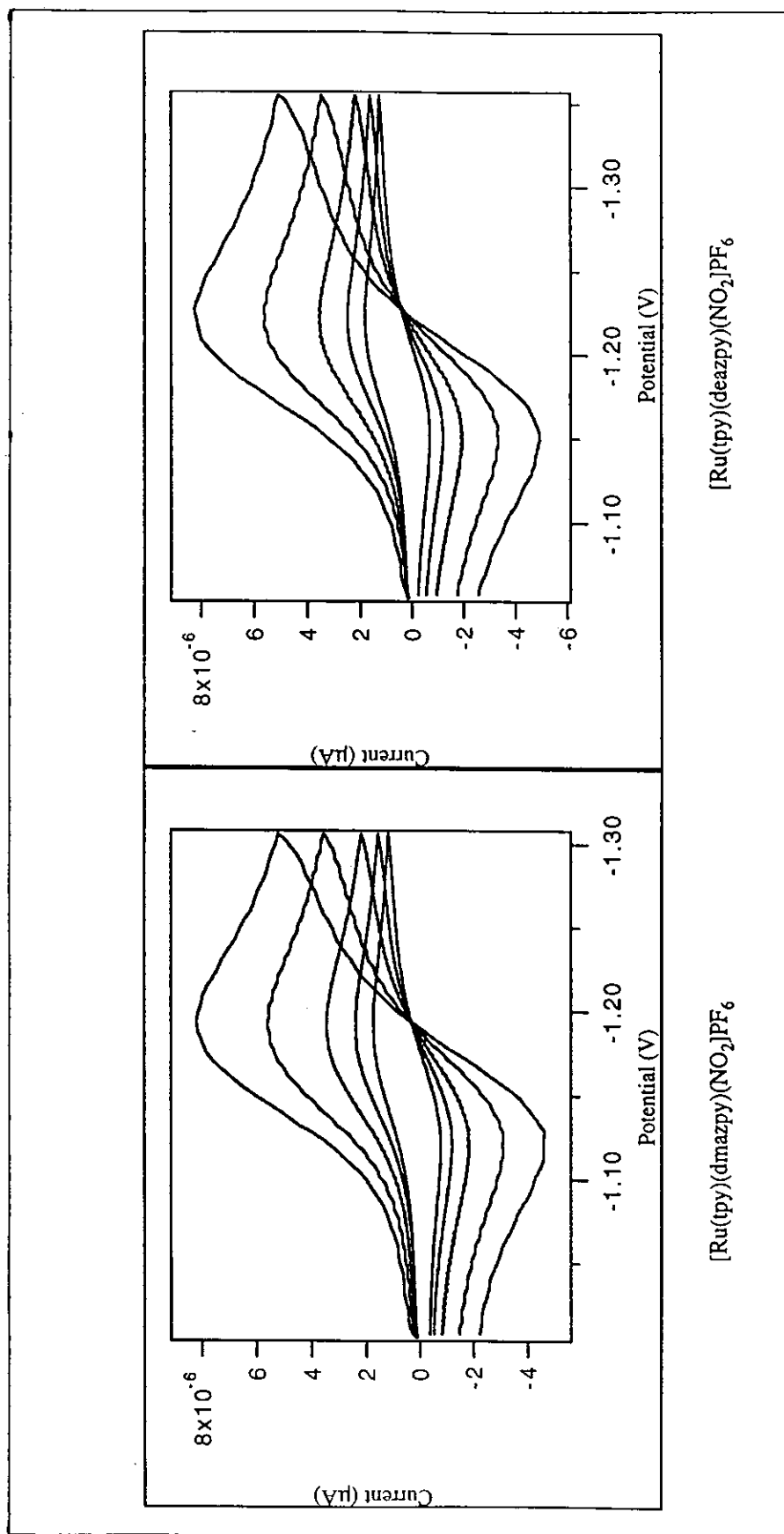


Figure 56 Cyclic voltammogram of couple I in reduction range of $[\text{Ru}(\text{tpy})(\text{L})(\text{NO}_2)\text{PF}_6]$ ($\text{L} = \text{dmazpy}$ and deazpy) by raying scan rates (50-1000 mV/s):

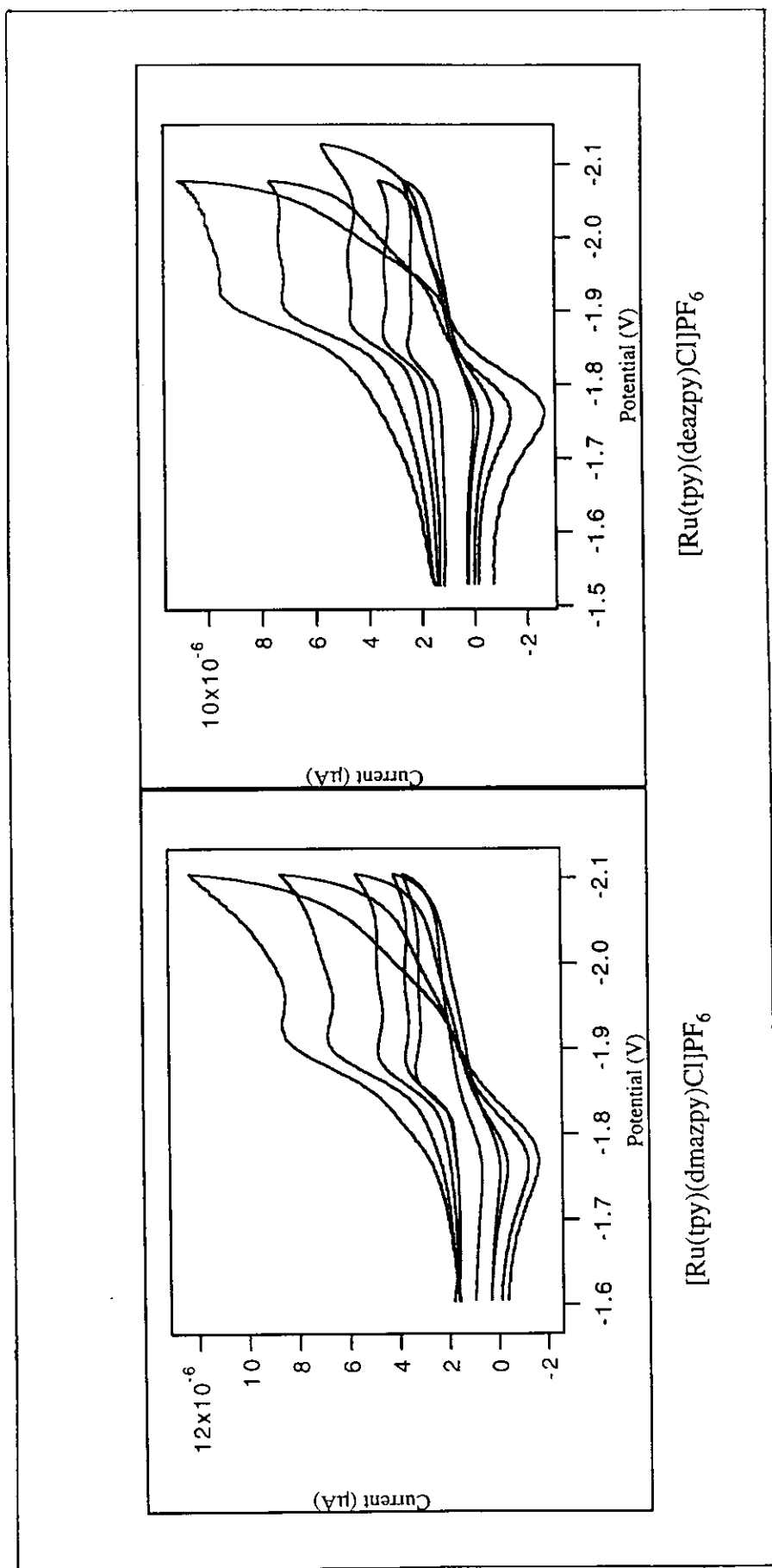


Figure 57 Cyclic Voltammogram of couple II in reduction range of $[\text{Ru}(\text{tpy})(\text{dmazpy})\text{Cl}]\text{PF}_6$ and $[\text{Ru}(\text{tpy})(\text{deazpy})\text{Cl}]\text{PF}_6$ complexes by varying scan rates (50–1000 mV/s);

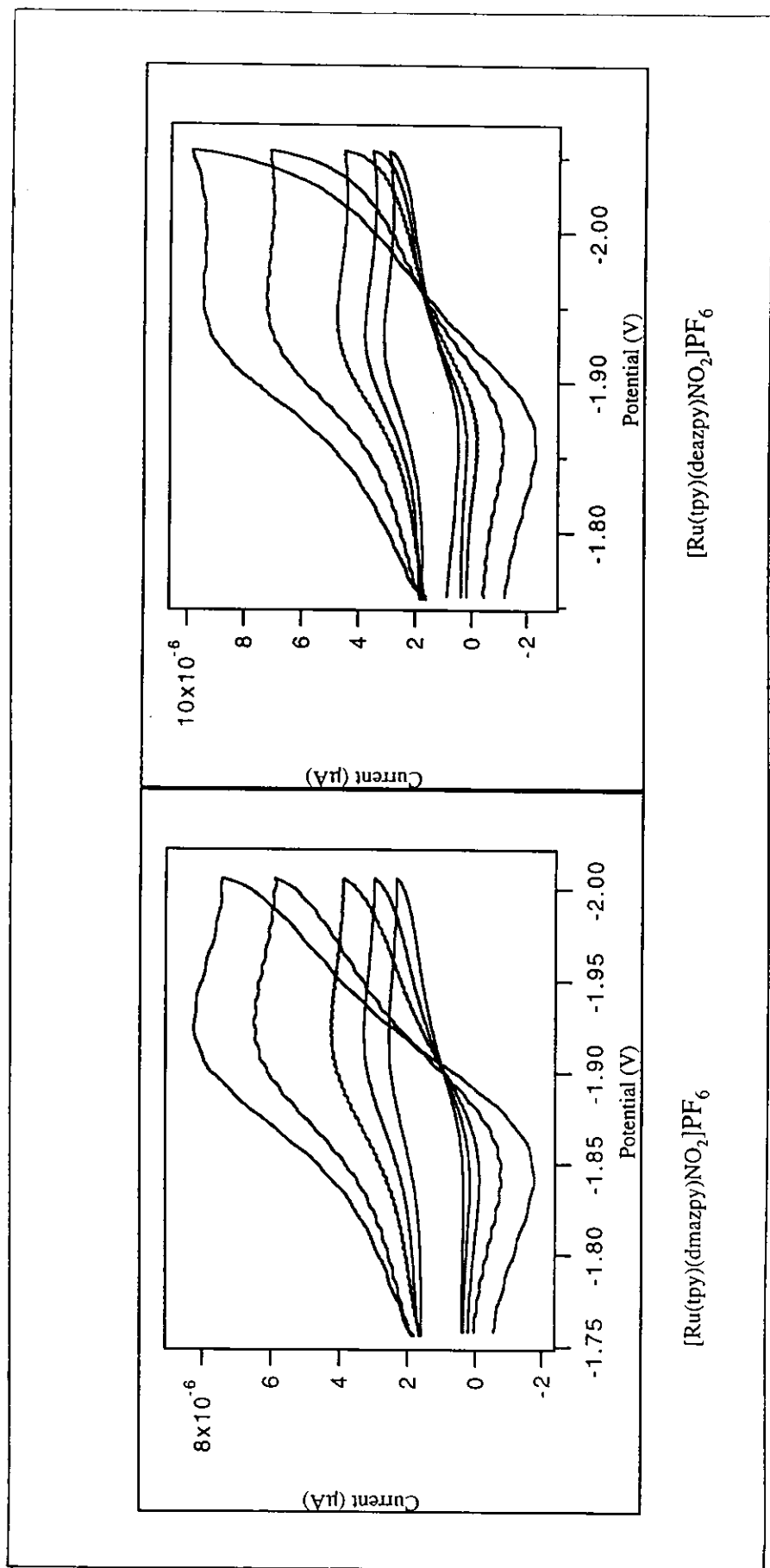


Figure 58 Cyclic Voltammogram of couple II in reduction range of $[\text{Ru}(\text{tpy})(\text{dmazpy})\text{NO}_2]\text{PF}_6$ and $[\text{Ru}(\text{tpy})(\text{deazpy})\text{NO}_2]\text{PF}_6$ complexes by varying scan rates (50-1000 mV/s).

Vitae

Name Miss Sriwipha Onganusorn

Birth date 10 September 1977

Educational Attainment

Degree	Name of Institution	Years of Graduation
Bachelor of Science (Chemistry)	Prince of Songkla University	1999

Scholarship Awards during Enrolment

Postgraduate Education and Research Program in Chemistry. (June 2000 to May 2002)