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## THE ELECTROCHEMISTRY OF COMPLEX FLUOROMETALLATES AND OTHER HALOMETALLATES

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The method of obtaining electrochemical data on complex fluorometallates is described. New electrochemical data on complex fluorometallates in non-aqueous solvents are presented together with data on other complex halometallates. Comparisons are made between the data for the series of complexes which lead to :

- i) Prediction of existence and preparation of new species;
  - ii) Trends of stability across the transition elements and down groups of the transition elements;
  - iii) Comparisons of stability between fluorometallates and other halometallates;
  - iv) Detailed electronic and thermodynamic parameters for halometallates.
- Comparison is made between electrochemical data and structural and spectroscopic data.