

DISCUSSION

Most errors encountered during the experiment were due to impurities within the water that affected the temperature relationships of the ~~two~~ junctions.

Temperature variations would have caused the taking of readings not to be accurate but instantaneous temperatures were taken.

The Seebeck Effect was observed from the experiment and the data collected.

Comparisons made between the emf values measured by the single thermocouple and the Multi-junction thermocouple showed that, for the same temperature difference, the EMF value for the Single-thermocouple was lesser than the emf value for the Multi-junction thermocouple.

To increase the voltage signal, several thermocouples may be connected in series to or from a thermopile with each junction at a known temperature from the others.

The lines of the graph are ~~linear~~ not straight lines as shown by the graph.