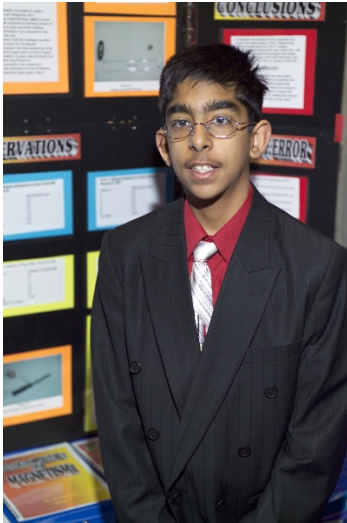


ESPC 2006 - Saguenay (Québec)



Ali Akbar Sunderji

Effect of Temperature on Magnetism

Division: Internationale

Catégorie: Junior

Région: York

Ville: Kleinburg, ON

École: As-Sadiq Islamic

Sommaire: In this experiment a rare earth magnet and an electromagnet were subjected to three different temperatures: -196°C , 0°C , 100°C and the resulting flux density was determined. The permanent magnet was also tested at 310°C . It was found that the coldest permanent magnet and the coldest electromagnet displayed the strongest magnetism. At 310°C the permanent magnet exhibited no magnetism.