

At the time I was studying magnets. They seemed to be very simple devices, with the following Characteristics. They attracted Iron. They attracted each other. They repelled each other. Some had much Pull and much Push. Some had much Pull and little Push. Some had little Pull and much Push and some had little Pull and little Push.

Now Masses of Iron ore are suspended in mid air, by Magnets, while the ore is melted and the impurities drop out leaving clear Iron.

While studying magnets an idea came to me and I have not been able to get it out of my mind since. I will give a few examples to illustrate my theory:

$$G = \text{Gravity}$$

$$P + P = \text{Push + Pull of Gravity}$$