

Polarisation properties of electromagnetic radiation are explained by its oscillating electric field and magnetic field. By convention we take electric field. ~~and~~ As the oscillating electric field ~~has~~ needs to oscillate in a plane, the component of this oscillating field can be taken onto another plane. Through polarisation we are filtering out the ~~preferred~~ preferred plane in which electric field is oscillating. But in case of electron there is no oscillating electric field ~~in~~ ~~for~~ in a plane due to which we cannot polarise it <sup>using</sup> ~~in~~ the same methods as with electromagnetic radiation.