ARNAU MUSHRA 2021124PAGE: Batch - 7 DATE: / / Child-Languise law PH1213 Presentation We all know that, according to Ohm's Law, current flowing thorough a conductor well be directly proportional to the woltage of the conductor, i.e. the potential diff across. I XV But what about space current; is it the same is that of conductor situation, does displacement current (or current twough a vacuum) also follow the same Ohm's Law. Interestingly the answell is NO. I We will figure out what the actual relation is in such cases by the simple question. 2. ) Given two plane parallel electrodes seperates by space with length d?, at voltages O & vo, find the current density if an unlimited supply of e 8 set rest is supplied to the lover potential electrode. Neglect collisions. t lustral 6bely Hirrard Class 41









