DOMY DES

1.1) To for uniformly pobled sphere of rooks or 11/20 06=P. A= 1PCOSD ropion gluborous XD org ND M cuitous & lunings popular gropo of gropour unperior M tyrkuss 500 graf oriented about 2 exis me know Op= = = A100= X0.10 1.D (spate Po to each polorization dist.

P=Pot Spariol coolds in it = 17

P= -V.P = -V.(Por?) · p=PoP2 (cose) & Cspternol coods PG=-TIP) ==== (2(PoP2cososino)=-6P2(2(cososino) =-PoP2 (coso-sinte) = PoP2(cosine) 10 rsind Two wiff systems are shown in tig! below. Show that E-field for oxcrobing Fig I Cleft)

16 egual to Ethold in Fig I Cright

222

I I of For the left for we know that

D= Q or for ource Ne also know that D=EE For the rold side we from that it a free place of is embedded in a loge dielectry the field it. E=1 2 7 This both sides have equal electricated 1 5 1 / Sup / 1 1 1/ 1/ 1/