22.53 COMO SE troto de uno esfero, la lacal. DATOS 1ey de Gaussin la linea de positos os la superficie de Gauss de En code bouto al vector de es colineal con al vactor E el ángula entre ellos os o EDE dA = queto ESTETION OF THE E brede solir de la integal, pues es constante en todo la superficie de Gauss. 6 E & dA = 9 nets => 6 EA = 4 nots => E E (4 F x2) debeues poner d'en fuición de r

E valuen dande esta distribuida la carsa as:

$$V = \frac{1}{1} \pi r - \frac{1}{1} \pi a$$
 $\frac{1}{3} \pi r^2 = 0 - 4\pi r^2$
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Ahora en $\frac{1}{3} = \frac{1}{2} \pi r^2 = 0$
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