	A Parraelon in Electrostatics PAGE NO.
	1 Assuming ideal conditions, a undustry spherical shall
/	post in a special field with change its electron
/	distribution so us to make the not field you many while
/	inside the rondreton. Attumenty, the electrons in the
_	ander the took influence of gravity this resulting
	Lenus of electerons in the hottom will must in an
	Metric full at the senter in the interior while
	will be concelled out by the gravitational field-
#	MATHEMATICAL PROOF:
	lit; &: potential energy of electron.
	i. $\phi = -i\phi + m_e \phi_G$ $= -i\phi + m_e \phi_G$
	E lE me 16 = electrostatic pot.
	of gravitational par
	1 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
	To Force on (e) = To.
	At the simple is a targestial component will imply that the electron is not in Equilibrium. i de is nowtont on autou.
	that Har Metron in mot in This Ildring.
	de is constant on surface.
	Te - 10
	$\frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} = 1$
	L> In the interior;
	$- \nabla^2 \phi = \nabla^2 \phi = 0.$
	The state of the s
	* By uniqueness theorem?
	i for on e in the interior, here = $\nabla \phi_c = 0$.
	infant on the interiors force = The = 0.
	, , , , , , , , , , , , , , , , , , ,

Now suppores that me had a rondactor sulide also had $\frac{1}{\sqrt{u}} = \frac{-e\phi_E + me\phi_G}{-e\phi_E} + mu\phi_G$ * We can now inject the some anyument: * By uniquenish theorems = - { Lis constant } # Similarly Thompson Has had to:

| E mc/r mus = constant.

| E mu - me | $\frac{d}{dt} = \frac{-t_2 - t_1}{m_1 - m_2} = \frac{t_2 - t_1}{m_1 - m_2}$ =) $\nabla \phi = \nabla \phi = 0$ in the interior. Jones & gravitational Jones Howards this is whomat.

