1	Motor references
	Section-C(c) - Dripin de PAGENO.: DATÉ: //
	BOUT CALCULATION - (General procedure
	Calculation of Bout for spheroid ->
The second secon	Considering the surface of the spheroid as the super- conductor. The magnetic field perpendicular to the surface must variesh at the surface.
The second second second	
Statement of the second of	Bout $(r, \theta, \varphi) \cdot \hat{n}(\theta, \varphi) = 0$ — (DC)
	Bout $(\tau, 0, q) = B_0(\tau, 0, q) - \nabla \Phi(\tau, 0, q) - 2c$
-	where Bo (τ, 0, φ) - applied magnetic field in spherical co-ordinates.
Section of the last of the las	n(o,φ) - unit normal vector to surface of
STATES OF STREET, ST.	Nmax n $0 = \sum (r^{-(n+1)}) \sum a_{n,m} Y_{n}^{m}(0,q)$
-	Pout induced potential autoide the spheroid. n(0,φ) — unit normal vector to surface of spheroid. Nmax Nmax n N=0 Nmax n=0 N
	since, the potential associated with induced magnetic pield must vanish at boundaries. Eqn. 3c can be written as
-	Juritten as
-	$ \Phi = \sum_{n=0}^{N_{max}} \gamma^{-(n+1)} \frac{n}{5a_{n,m}} \gamma_{n}^{m}(0,\varphi) - \Phi c $

Teacher's Signature.....

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Our main aim is to calculate Bout (8.0,4) It can be evaluated by applying the boundary condition given by the egn. I a VΦ = - Σγ-(n+2) (n+1) Σαn, m Yn (0, φ) γ + \(\sigma^{-(n+1)} \) \(\sigma^{\text{an,m}} \frac{\gamma \gamma^{\text{m}}(0, \phi) \hat{\gamma}}{\gamma} \frac{-6}{6}c + 5 x-(n+1) 5 an, m 2 xnm(0, 0) p Bout (r, 0, 4) = (Bo - VP) (r, 0, 4) Applying the boundary condition to obtain the coefficients an, in present in \$10 term. Bow (v, 0, φ) · n(0, φ) = 0 v=v(0, φ) = v(0) (for spheroid)

Bo(r,0,φ)·n(0,φ) = Vφ(r,0,φ)·n(0,φ)

Now, I name this equation 6c as my primary equation. This equation would be used by me throughout the notes.

Say, left hand side part of eg.60 as LHS and Right hand side part of eq.60 as RHS

This convention is used throughout the notes and mathematica files.

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Annual Control of the	Any arbitrary function $f(0, \phi)$ which is defined in the internal $0 \in (0, \pi)$ is $\phi \in (0, 2\pi)$ and satisfies the condition
	in the interval of (0, ot) is cof (0,217) and
The second second	satisfies the condition
1	77 . 711
	Jf(0,φ) sin 0 do dφ < ∞ - (7)c
	0 0
- Parent	can be expressed as expansion of spherical harmon
	ics.
	adought the man 2 the 7 a
	Therefore, we try to express both LHS 2 RHS in turns of spherical harmonics expansion.
	in turns of spherical harmonics expansion,
	Outhonorma
	As we know spherical harmonics forms the basis
	for the angular function every angular limition
	condition of egn. 70 satisfies.
	condition of egn. 70 satisfies!
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Then, we can compare its coefficients to obtain anis.