home / study / engineering / electrical engineering / questions and answers / a spherical capacitor is formed from two concentric ...

## Question

A spherical capacitor is formed from two concentric spherical conducting shells separated by vacuum. The inner sphere has radius 10.0 centimeters, and the separation between the spheres is 1.50 centimeters. The magnitude of the charge on each ophera is 2.20 panassulamba

Your Chegg Study

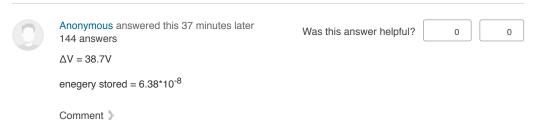
Post a question

Enter question



BOOKS STUDY MORE What is the magnitude of the potential difference - between the two spheres? Find books, solutions, tutors and more... What is the electric-field energy stored in the call View all questions » Comment > Your textbook solutions **Best Answer** Anonymous answered this 1 minute later Solution Was this answer helpful? 503 answers (a) By ?V = Q/4p?o[1/a - 1/b] $=>?V = [3.30 \times 10^{-9}/(4 \times 3.14 \times 8.85 \times 10^{-12})] \times [1/0.1 - 1/0.115]$ University Essential C... =>?V = 29.69 x 1.30 Physics... Calculus =>?V = 38.73 volt14th Edition 2nd Edition 2nd Edition (b) By W = 1/2VQ=>W = 1/2 x 38.73 x 3.30 x 10^-9 = 6.39 x 10^-8 J View all solutions » View comments (1) >

### **More Answers**



# People who viewed this also viewed these solutions

Solutions

The Analysis and Design of Linear Circuits (7th

Edition)

Roland E. Thomas

Introduction to Electric

Solutions

Circuits (9th Edition) Richard Dorf C

# **Electrical Engineering** tutors wh can help right now



Mansi S. **Gujarat University** 



Andrianna A. University of Souther



**ABOUT CHEGG** 

Media Center
Chegg For Good
College Marketing
Privacy Policy
Your CA Privacy Rights
Terms of Use
General Policies
Intellectual Property
Rights
Investor Relations
Enrollment Services

#### RESOURCES

Site Map
Mobile
Publishers
Join Our Affiliate
Program
Advertising Choices

## **TEXTBOOK LINKS**

Return Your Books
Textbook Rental
eTextbooks
Used Textbooks
Cheap Textbooks
College Textbooks
Sell Textbooks

# STUDENT

SERVICES
Chegg Coupon
Scholarships
Career Search
Internships
College Search
College Majors
Scholarship
Redemption

### **COMPANY**

Chegg College Blog Jobs Customer Service Give Us Feedback Become a Tutor

## LEARNING SERVICES

Online Tutoring Chegg Study Help Solutions Manual Tutors by City GPA Calculator Test Prep







© 2003-2016 Chegg Inc. All rights reserved.

Over 6 million trees planted