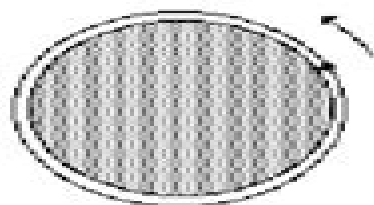


Unit 7: Worksheet 2

1. Calculate the gravitational field strength on the moon, which has a radius of 1.74×10^6 m, and a mass of 7.36×10^{22} kg.
2. How much would a 1500 kg satellite weigh at the surface of the moon? Do it two ways.

Assume that the diagram below represents the orbit of the satellite around the moon at an altitude of 100 km. (make sure to use SI Units!)



3. Construct a force diagram of the satellite in orbit.
4. Demonstrate the direction of the acceleration, if any, by means of a motion map.
5. What is the radius of the orbit of the satellite? (radius of moon + altitude of orbit)

Modeling Workshop Project 2006 Circular Motion Practice

Yijin Wang



Modeling Workshop Project 2006 Circular Motion Practice:

Proceedings ENTERFACE 2006 Similar, 2007 July 17th August 11th Dubrovnik Croatia eNTERFACE 06 the second in the series of eNTERFACE workshops was hosted by the Faculty of Electrical Engineering and Computing University of Zagreb A group of 63 international students from all over the

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left unturned **Child Welfare for the Twenty-first Century** Gerald P. Mallon, Peg McCartt Hess, 2014-09-09 The Adoption and Safe Families Act ASFA which became law in 1997 elicited a major shift in federal policy and thinking toward child welfare emphasizing children's safety permanency and well being over preserving biological ties at all costs The first edition of this volume mapped the field of child welfare after ASFA's passage detailing the practices policies programs and research affected by the legislation's new attitude toward care This second edition highlights the continuously changing child welfare climate in the U S including content on the Fostering Connections Act of 2008 The authors have updated the text throughout drawing from real world case examples and data obtained from the national Child and Family Services Reviews and emerging empirically based practices They have also added chapters addressing child welfare workforce issues supervision and research and evaluation The volume is divided into four sections child and adolescent well being child and adolescent safety permanency for children and adolescents and systemic issues within services policies and programs Recognized scholars practitioners and policy makers discuss meaningful engagement with families particularly Latino families health care for children and youth including mental health care effective practices with LGBT youth and their families placement stability foster parent recruitment and retention and the challenges of working with immigrant children youth and families El-Hi Textbooks and Serials in Print ,2006 **Relationships, Community, and the Restorative School** Seow-Ling Kek, James Lim, Tyler Sim, Enci Li, Justin Mui, 2025-04-29 This book shares our journey with restorative practice and provides insight into how we developed a programme that impacts school culture the Builders Project It is a documentation of our experience of bringing restorative practice to primary school settings in Singapore through a whole school community building approach to enable students to have a positive learning experience and to thrive This contrasts with implementing restorative practice focusing on behavioural management It is the first non Western contribution to the field of restorative practices as a whole school approach This book shares Lutheran Community Care Services LCCS practice assumptions that underpin the need to build strengthen and restore relationships It also illustrates the application of our restorative practice principles which are drawn from our experience values and research towards building effective relationships among the individuals in the school community Stories and perspectives of practitioners students parents teachers and school leaders are shared to highlight how they experience voice agency and belonging through restorative processes Most importantly we hope that this book will inspire you to reflect on your journey with restorative practice in schools through the reflection questions posed in each of the substantive chapters This book is for educators school social work and mental health practitioners educational policymakers school administrators principals academics researchers and restorative practice practitioners This book is also suitable for undergraduates or postgraduate students who desire to understand practice beyond the theories that they have learnt and gain insights on what the journey of practicing and implementing restorative practice looks like *Scientific and Technical Aerospace Reports* ,1985 Climate Vulnerability

,2013-03-15 Climate change has been the subject of thousands of books and magazines scientific journals and newspaper articles daily It s a subject that can be very political and emotional often blurring the lines between fact and fiction The vast majority of research studies projections and recommendations tend to focus on the human influence on climate change and global warming as the result of CO2 emissions often to the exclusion of other threats that include population growth and the stress placed on energy sources due to emerging global affluence Climate Vulnerability Five Volume Set seeks to strip away the politics and emotion that surround climate change and will assess the broad range of threats using the bottom up approach including CO2 emissions population growth emerging affluence and many others to our five most critical resources water food ecosystems energy and human health Inclusively determining what these threats are while seeking preventive measures and adaptations is at the heart of this unique reference work Takes a Bottom Up approach addressing climate change and the threat to our key resources at the local level first and globally second providing a more accurate and inclusive approach Includes extensive cross referencing which is key to readers as new connections between factors can be discovered Cuts across a number of disciplines and will appeal to Biological Science Earth Environmental Science Ecology and Social Science comprehensively addressing climate change and other threats to our key resources from multiple perspectives

Solid-State Sensors, Actuators, and Microsystems Workshop, Hilton Head Island, South Carolina, June 4-8, 2006: Educational Poster Digest ,2006 *Actes Society of Dance History Scholars (U.S.). Annual Conference*,2007 **The University of Virginia Record** University of Virginia,2006 **Contemporary** ,2006 *The Eighth Pacific Rim Conference on Stellar Astrophysics* Boonrucksar Soonthornthum,2009 The Pacific Rim Conference on Stellar Astrophysics PRCSA is a series of conferences which initially focused on binary star research yet over the years it has grown wider in scope to include topics regarding the most fundamental building blocks of modern astronomy and astrophysics Since its inception in 1985 each conference has been held in a country on the Asian Rim of the Pacific In the most recent decade the conference has been held every three years The 8th PRCSA was held in Phuket Thailand in May 2008 Although it is called the Pacific Rim conference series the participants are not restricted to scientists from Pacific Rim countries This conference has attracted nearly 100 participants from 23 countries from far regions of the world The 2008 conference also served another important purpose to honor Prof Kam Ching Leung for his contribution in supporting the development of astronomy in Asia particularly in Thailand The proceedings of this conference are published in this volume and include contributions on stars star formation novae supernovae compact objects binary stars cataclysmic variables variable stars binary and multiple star systems brown dwarfs and planetary companions stars clusters and large scale surveys Publisher s website *Mathematical Reviews* ,2006 *Journal of Mechanical Design* ,2007-07 **Index to Theses with Abstracts Accepted for Higher Degrees by the Universities of Great Britain and Ireland and the Council for National Academic Awards** ,2007 **College of Engineering (University of Michigan) Publications**

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