

This tutorial will give you a better understanding of the size of the Milky Way Galaxy by investigating the distances and sizes of objects within the Milky Way Galaxy and outside the Milky Way Galaxy elsewhere in the universe. Below is a picture of a spiral galaxy similar to the Milky Way. Because we are located within the Milky Way, we are unable to take a picture of our entire galaxy from the outside. Let's assume that this picture represents our Milky Way Galaxy and has the dimensions labeled below. Note that in this picture, **1 centimeter (cm)** represents **10,000 light-years (ly)**; equivalently, you can use **1 millimeter (mm)** to represent **1,000 light-years (ly)**.



- 1) The Sun's position in the Milky Way is shown in the picture above. What is the approximate distance from the Sun to the center of the Milky Way? Recall that 1 cm represents 10,000 ly.

approximately 25,000 ly

• LMC

Astronomy Lecture Tutorials Solutions

Jeffrey O. Bennett



Astronomy Lecture Tutorials Solutions:

Lecture-tutorials for Introductory Astronomy, Third Edition Washington State University, 2014

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Journal of Geoscience Education, 1996 *Announcer*, 2004 *Astrobiology*, 2005 *The Mathematical Gazette*, 1920

Astronomy Michael A. Seeds, 2005 **The Edinburgh University Calendar** University of Edinburgh, 1913 *The Essential Cosmic Perspective* Jeffrey O. Bennett, 2003 *Human Mobility, Artificial Intelligence and Climate Change* George A. Giannopoulos, Yidong Li, 2025-11-20 This monograph offers a comprehensive discussion on the current challenges for developing future sustainable and resilient transport systems It specifically focuses on the effects of two major shaping factors namely climate change and the increased use of technologies in particular artificial intelligence It analyses issues and the relevant strategies adopted by different governments for facing social and environmental issues while planning the intelligent and decarbonized mobility of the future Topics discussed in this book include the use of artificial intelligence and big data in transportation and mobility strategies for decarbonizing transport the role of automated transport in future mobility resilient transport infrastructures and other important related issues Besides addressing researchers and professionals active in this field this book will also offer an introduction on achievements and future challenges in mobility for newcomers

108-1 Hearing: Affordability In Higher Education: We Know There's A Problem ; What's The Solution? Serial No. 108-24, July 10, 2003, *, 2004 *The Chemical News and Journal of Physical Science*, 1879

Chemical News and Journal of Industrial Science, 1879 *The Chemical News*, 1879 *Publisher and Bookseller*, 1905 Vols for 1871 76 1913 14 include an extra number The Christmas bookseller separately paged and not included in the consecutive numbering of the regular series

The Bookseller, 1905 *The Journal of Education*, 1904 *Applied E-Learning and E-Teaching in Higher Education* Donnelly, Roisin, McSweeney, Fiona, 2008-07-31 This book presents international practices in the development and use of applied e Learning and e Teaching in the classroom in order to enhance student experience add value to teaching practices and illuminate best practices in the area of e Assessment This book provides insight into e Learning and e Teaching practices while exploring the roles of academic staff in adoption and

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