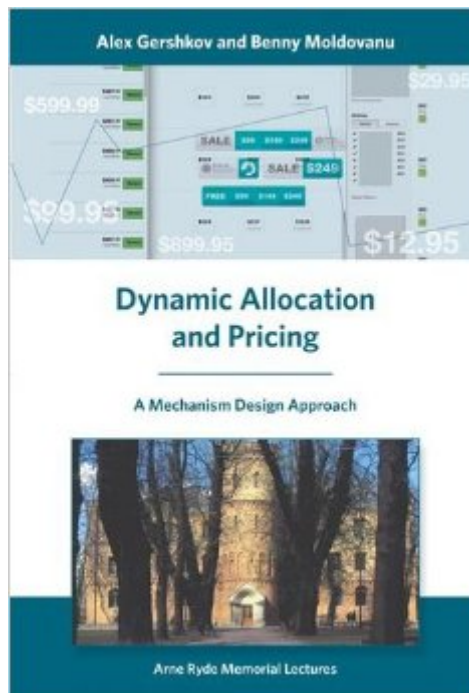


The book was found

# Dynamic Allocation And Pricing: A Mechanism Design Approach (Arne Ryde Memorial Lectures)



## Synopsis

Dynamic allocation and pricing problems occur in numerous frameworks, including the pricing of seasonal goods in retail, the allocation of a fixed inventory in a given period of time, and the assignment of personnel to incoming tasks. Although most of these problems deal with issues treated in the mechanism design literature, the modern revenue management (RM) literature focuses instead on analyzing properties of restricted classes of allocation and pricing schemes. In this book, Alex Gershkov and Benny Moldovanu propose an approach to optimal allocations and prices based on the theory of mechanism design, adapted to dynamic settings. Drawing on their own recent work on the topic, the authors describe a modern theory of RM that blends the elegant dynamic models from the operations research (OR), management science, and computer science literatures with techniques from the classical mechanism design literature. Illustrating this blending of approaches, they start with well-known complete information, nonstrategic dynamic models that yield elegant explicit solutions. They then add strategic agents that are privately informed and then examine the consequences of these changes on the optimization problem of the designer. Their sequential modeling of both nonstrategic and strategic logic allows a clear picture of the delicate interplay between dynamic trade-offs and strategic incentives. Topics include the sequential assignment of heterogeneous objects, dynamic revenue optimization with heterogeneous objects, revenue maximization in the stochastic and dynamic knapsack model, the interaction between learning about demand and dynamic efficiency, and dynamic models with long-lived, strategic agents.

## Book Information

Series: Arne Ryde Memorial Lectures

Hardcover: 208 pages

Publisher: The MIT Press (December 12, 2014)

Language: English

ISBN-10: 0262028409

ISBN-13: 978-0262028400

Product Dimensions: 6 x 0.6 x 9 inches

Shipping Weight: 1 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,358,880 in Books (See Top 100 in Books) #91 in [Books > Business & Money > Management & Leadership > Pricing](#) #25527 in [Books > Business & Money >](#)

## Economics

[Download to continue reading...](#)

Dynamic Allocation and Pricing: A Mechanism Design Approach (Arne Ryde Memorial Lectures)  
9/11 Memorial Visions: Innovative Concepts from the 2003 World Trade Center Site Memorial  
Competition The Computer and the Brain (The Silliman Memorial Lectures Series) The Computer  
and the Brain: Abused City (The Silliman Memorial Lectures Series) Motion Simulation and  
Mechanism Design with SolidWorks Motion 2013 Motion Simulation and Mechanism Design with  
SOLIDWORKS Motion 2016 Arne & Carlos-30 Slippers to Knit & Felt: Fabulous Projects You Can  
Make, Wear, and Share The Gardens of Arne Maynard Olfactory Imprinting and Homing in Salmon:  
Investigations into the Mechanism of the Imprinting Process (Zoophysiology) The Feynman  
Lectures on Physics, Vol. II: The New Millennium Edition: Mainly Electromagnetism and Matter  
(Feynman Lectures on Physics (Paperback)) (Volume 2) Lectures on Calvinism, The Stone  
Lectures of 1898 Empirical Dynamic Asset Pricing: Model Specification and Econometric  
Assessment Asset Allocation: Balancing Financial Risk, Fifth Edition Asset Allocation: Balancing  
Financial Risk, Fifth Edition: Balancing Financial Risk, Fifth Edition Rational Expectations: Asset  
Allocation for Investing Adults (Investing for Adults) (Volume 4) All About Asset Allocation Dynamic  
Asset Pricing Theory, Third Edition. Graphic Artist's Guild Handbook of Pricing and Ethical  
Guidelines (Graphic Artists Guild Handbook: Pricing & Ethical Guidelines) Smart Pricing: How  
Google, Priceline, and Leading Businesses Use Pricing Innovation for Profitability RSMMeans  
Contractor's Pricing Guide: Residential Repair & Remodeling 2013 (Means Contractor's Pricing  
Guide: Residential & Remodeling Costs)

[Dmca](#)