

# Openness to Arithmetic's with Operations Research

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An exciting area of applied mathematics called Operations Research combines mathematics, statistics, computer science, physics, engineering, economics, and social sciences to solve real-world business problems. Numerous companies in industry require Operations Research professionals to apply mathematical techniques to a wide range of challenging questions.

Employing techniques from other mathematical sciences, such as mathematical modelling, statistical analysis, mathematical optimization, and operations research arrives at optimal or near-optimal solutions to complex decision-making problems.

## Concept:

The main focus of this special issue will be on the new research ideas and results for the OR.

The operational research and its applications are one of the most important fields of applied mathematics. So, this special issue focuses on this subject.

## Aim & Scope:

The aim of this special issue is to present and extend the applications of the relatively new approaches and theories for the OR and its applications.

The editors hope that the special issue will provide new ideas in the development of OR.

Mathematics of Operations Research publishes excellent foundational articles having significant mathematical contents and relevance to operations research and management science.

It covers innovative and mathematical theories of inventory, manufacturing and distribution; organization, finance and marketing; routing, queuing and scheduling; data and storage management; location, reliability, search, measurement and service, artificial intelligence and machine learning among others.

## Mathematics of Operations:

Here the Research include

- a) Continuous Optimization
- b) Discrete Optimization

- c) Game Theory
- d) Machine Learning
- e) Mathematical Programming
- f) Operations Research
- g) Simulation Methodology
- h) Stochastic Models

The audience for Mathematics of Operations Research includes academics at engineering schools, mathematical departments, and research centers. OR analysts can model difficult practical problems and offer valuable solutions and policy guidance for decision-makers.

Constraints involving budgets, capital investments, and organizational considerations can make the successful implementation of results as challenging as the development of mathematical models and solution methods.

## Conclusion:

As the world becomes more complex and more dependent on new technology, mathematics applied to business problems is likely to play an increasingly important role in decision-making in industry..

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