**Instructions for Abstract Submission:**

1. The abstract must be typed in Word format (.docx).

2. Font: Times New Roman, Font Size: 12 points.

3. First line: Title of the paper

4. Second line: Names of Authors, addresses and emails (separated by commas).

5. Third line: Abstract text (maximum 200-250 words).

6. Fourth line onwards: Key words (maximum 5, separated by commas).

**Please ensure your abstract adheres to these guidelines.**

**Applications of Mathematics**

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**Abstract**

Mathematics is an indispensable tool in a vast array of fields, driving innovation and problem-solving in the modern world. Its applications are diverse and widespread, ranging from optimizing business processes and modeling economic systems to informing medical breakthroughs and predicting climate patterns. Mathematics underpins technological advancements, from the algorithms that power artificial intelligence and data analytics to the cryptography that secures online transactions. Additionally, mathematical modeling is crucial in fields such as physics, engineering, and computer science, enabling the design of everything from bridges and buildings to electronic circuits and spacecraft.

**Key Words:** Modelling, Optimizing, Spacecraft and Design.