

AERO7970 - Trajectory Optimiztion // Project 01

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Abstract

Words here!

1 Question 1

Solution

Proof. Write your proof here.

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Some LaTeX Commands

Here are some example sentences using LaTeX commands:

If $a \equiv 2 \pmod{3}$, then $a^2 \equiv 1 \pmod{3}$.

If x and y are positive real numbers, the arithmetic mean is $\frac{x+y}{2}$ and the geometric mean is \sqrt{xy} .

The union of two sets is $A \cup B$ and the intersection of two sets is $A \cap B$.

Let $(x, y) \in A \times B$.

Let $f : \mathbb{R} \rightarrow \mathbb{R}$ be defined by $f(x) = x^{2019}$.

In set-builder notation, the set of all odd integers is $\{2k+1 \mid k \in \mathbb{Z}\}$.

Suppose that

$$1 + 3 + 5 + \cdots + (2k-1) = k^2.$$

Note that if $a = 2k$, then

$$\begin{aligned} a^2 + 3a + 5 &= (2k)^2 + 3(2k) + 5 \\ &= 4k^2 + 6k + 4 + 1 \\ &= 2(2k^2 + 3k + 2) + 1. \end{aligned}$$

If $g \circ f$ is surjective, then g is surjective.