

# Verified Certificate



This is to certify that

**Juan Ángel Ramírez**

successfully completed and received a passing grade in

**18.032x: Differential Equations: 2×2 Systems**

a course of study offered by MITx, an online learning initiative  
of the Massachusetts Institute of Technology.

A handwritten signature in black ink, appearing to read "David Jerison".

David Jerison

Professor

Department of Mathematics

*Massachusetts Institute of Technology*

A handwritten signature in black ink, appearing to read "Sanjay Sarma".

Sanjay Sarma

Vice President for Open Learning

*Massachusetts Institute of Technology*



Verified Certificate

Issued November 21, 2021

Valid Certificate ID

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