

# X Series Certificate

This is to certify that

**Juan Ángel Ramírez**

has successfully completed all courses and  
received passing grades for an XSeries Program  
certificate in

**18.01x Single Variable Calculus**

a program offered by MITx, in collaboration with  
edX.



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

**David Jerison**

Professor of Mathematics

*Massachusetts Institute of Technology*

A handwritten signature in black ink, appearing to read "Gigliola Staffilani".

**Gigliola Staffilani**

Abby Rockefeller Mauzé Professor

Department of Mathematics

*Massachusetts Institute of Technology*

A handwritten signature in black ink, appearing to read "Krishna Rajagopal".

**Krishna Rajagopal**

Dean for Digital Learning

*Massachusetts Institute of Technology*



**XSERIES PROGRAM CERTIFICATE**

Issued May 2021

**VALID CERTIFICATE ID**

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