VERIFIED CERTIFICATE of ACHIEVEMENT



This is to certify that

Abrantes Araújo Silva Filho

successfully completed and received a passing grade in

18.01.1x: Calculus 1A: Differentiation

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

David Jerison

Professor

Department of Mathematics

Massachusetts Institute of Technology

Gigliola Staffilani

Abby Rockefeller Mauzé Professor Department of Mathematics

Massachusetts Institute of Technology

Krishna Rajagopal

Dean for Digital Learning

Massachusetts Institute of Technology

