

HIERONYMI CAR
DANI, PRÆSTANTISSIMI MATHE
MATICI, PHILOSOPHI, AC MEDICI,
ARTIS MAGNÆ,
SIVE DE REGVLIS ALGEBRAICIS,
Lib. unus. Qui & totius operis de Arithmetica, quod
OPVS PERFECTVM
inscriptum, est in ordine Decimus.

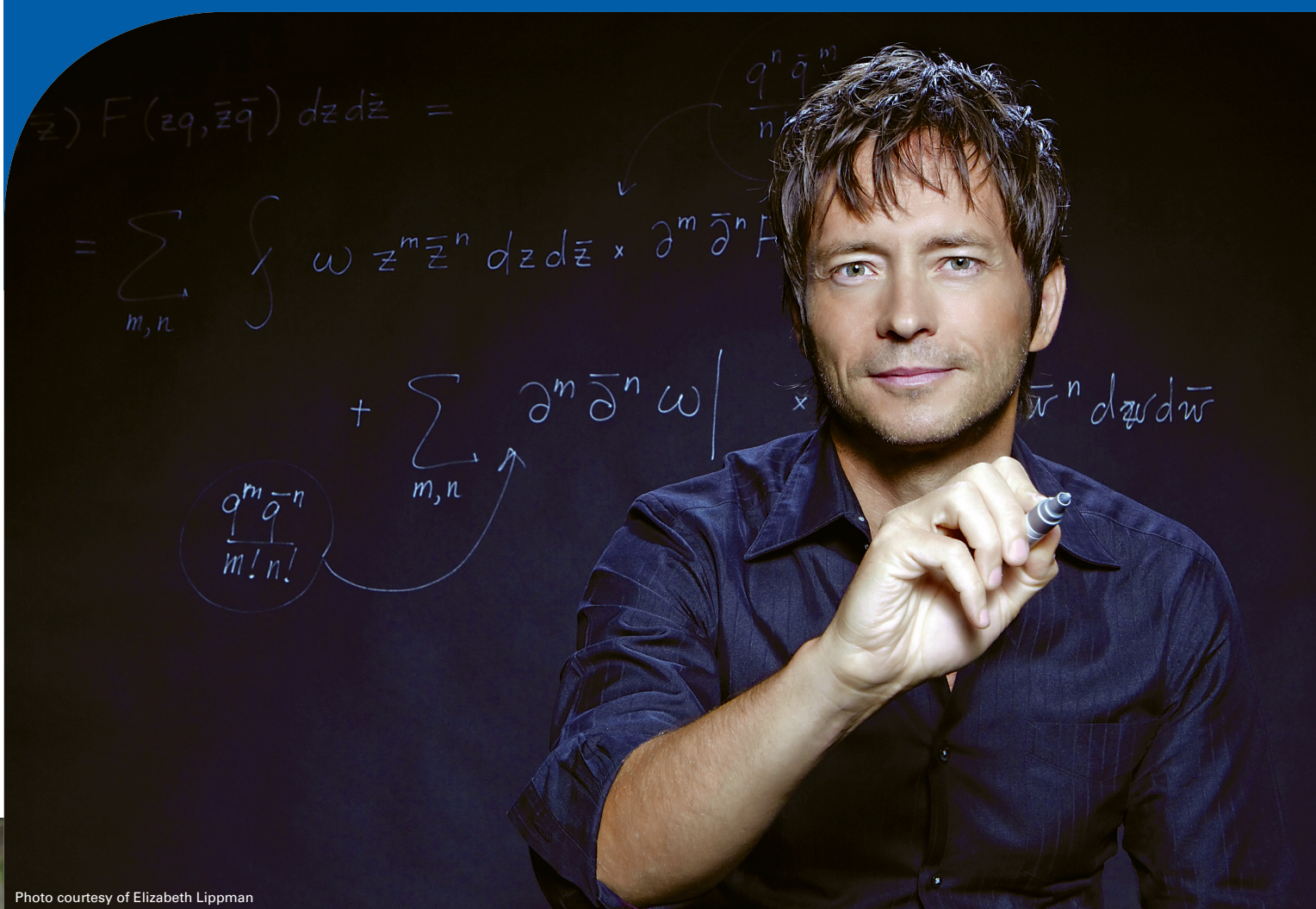


HAbes in hoc libro, studiose Lector, Regulas Algebraicas (Itali, de la Cof
fa uocant) nouis adinventionibus, ac demonstrationibus ab Authore ita
locupletatas, ut pro pauculis antea uulgò tritis, iam septuaginta euaferint. Ne
q; folium, ubi unus numerus alteri, aut duo uni, uerum etiam, ubi duo duobus,
aut tres uni equales fuerint, nodum explicant. Hunc autem librum ideo seors
sim edere placuit, ut hoc abstrusissimo, & planè inexhausto totius Arithmeti
cæ thesauro in lucem eruto, & quasi in theatro quodam omnibus ad spectan
dum exposito, Lectores incitarentur, ut reliquos Operis Perfecti libros, qui per
Tomos edentur, tanto auidius amplectantur, ac minore fastidio perdificant.



The American Mathematical Society Presents

THE 2018 AMS EINSTEIN PUBLIC LECTURE IN MATHEMATICS



EDWARD FRENKEL

University of California, Berkeley

Saturday, April 21
5:15 pm

Blackman Auditorium, Ell Hall
Northeastern University

Reception to follow.

IMAGINATION AND KNOWLEDGE

Edward Frenkel is a professor of mathematics at the University of California, Berkeley, a member of the American Academy of Arts and Sciences, and the winner of the Hermann Weyl Prize in mathematical physics. He is the author of *The New York Times* bestseller *Love and Math* which has been published in 18 languages. In this lecture, Frenkel will talk about the role imagination plays in mathematics. Einstein said, "Imagination is more important than knowledge." Throughout history, imagination provided bursts of insight that enabled mathematicians to make new advances and to abandon what was taken for granted as well-known and well-understood. We see that in the discovery of imaginary numbers in Cardano's *Ars Magna*; in Ramanujan's marvelous formulas that he said were written by Goddess Namagiri in his dreams; in the ideas of the Langlands Program, and much more. We need to acknowledge, embrace, and utilize our capacity to **imagine** in order to navigate this brave new world, in which AI-powered information technology is being used to modify and control our behavior while we are being told that life is just an algorithm and a human is nothing but a sequence of 0's and 1's.

The Einstein Lecture is part of
the Spring 2018 AMS Eastern
Sectional Meeting (April 20–21)
at Northeastern University.

Event details:
www.ams.org/meetings/sectional/2252_events.html

Sectional details:
www.ams.org/meetings/sectiona/2252_program.html