

## ACROSS

1. John von Neumann appeared on one issued in the U.S.
6. Feline
9. Chopper blade
14. Pertaining to blood
15. The so-called “loneliest number”
16. Roots of \_\_\_\_
17. Borel or Picard
18. Rainier and Kilimanjaro: Abbr.
19. Attend a lecture informally
20. \* \_\_\_\_ method, pioneered by Erdős
23. Kan. neighbor
24. Singer DeFranco
25. British buttocks
28. *Raiders of the Lost \_\_\_\_*
31. \* Namesake of a method in linear algebra for solving diagonally dominant systems of linear equations
36. Nickname for the most recent Best Actor winner
37. Nickname for Terence Tao’s current home state
39. Vertices, in a graph
40. \* Method of proof that relies on the well-ordering principle of the natural numbers
44. Birds that fly in a V
45. “Top-\_\_\_\_”: high praise for a university
46. Padre’s hermano
47. \* Namesake of an iterative method for finding roots of a function
49. Largest employer of mathematicians in the U.S.
50. Prefix for -tonic or -nomial
51. \_\_\_\_ Zeppelin
53. Tofu base
55. \* \_\_\_\_ method, for approximating solutions to boundary values problems for partial differential equations
62. Retch
63. College, to a Briton
64. Poet who won the 1948 Nobel Prize in Literature
66. Servant to the Addams Family
67. Pro’s opposite
68. Actresses Gershon and Rodriguez
69. Acyclic connected graphs
70. Ending with journal or legal
71. + end on a battery

## DOWN

1. “That’s all \_\_\_\_ wrote.”
2. Office fill-in
3. Mathematical historian Aczel who passed away in November 2015
4. Vivienne \_\_\_\_-Mayes, professor at Baylor who was the fifth African-American woman to earn a Ph.D. in mathematics in the U.S.
5. Military academy freshman
6. \_\_\_\_ space: topological space that’s path connected but not locally path connected
7. Pro’s opposite
8. Auto brand named for a scientist
9. Chebyshev, Lobachevsky, and Perelman
10. “I’m working \_\_\_\_!”
11. South American monkey
12. Pertaining to the ear
13. Rembrandt van \_\_\_\_
21. Calculators with beads
22. Another term for 1-to-1: Abbr.
25. Set straight
26. Actress Zellweger
27. *Never \_\_\_\_*: 1959 film starring Steve McQueen and Frank Sinatra
29. 80s hair metal band with the single “Round and Round”
30. Mathematician with a bottle?
32. Type theory created by Thierry Coquand that serves as the basis for Coq
33. Beethoven’s “\_\_\_\_ Joy”
34. West African republic
35. “How much \_\_\_\_ much?”
38. Bad day for Caesar
41. Suffix with algebra
42. Ancient stone implements
43. Clear the chalkboard
48. Topological object that generalizes the notion of a sequence
50. Fatty white substance that surrounds nerve axons
52. 40-40, in tennis
54. Letter that denotes the set of all finite ordinals
55. Smallest composite number
56. Philosopher of science Lakatos, who wrote *Proofs and Refutations*
57. Informal term for “well-behaved” used to describe a function, perhaps
58. Baseball Hall-of-Famer Slaughter
59. Graph of  $y = ax + b$
60. El \_\_\_\_ (seasonal phenomenon)
61. Relative of a frog
62. Acronym for an apparatus at a Chilean observatory, the most productive astronomical facility on Earth
65. Inits. of 64-across

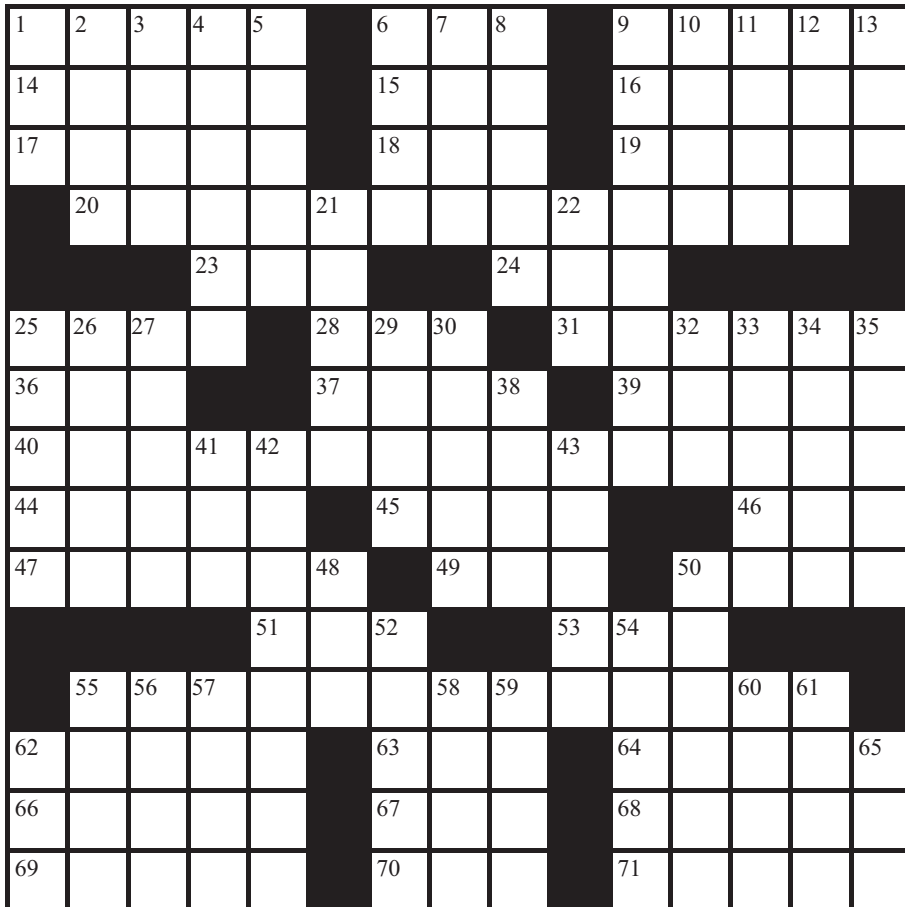
# Mathematical Methods

BRENDAN SULLIVAN

Emmanuel College

Boston, MA

[sullivanb@emmanuel.edu](mailto:sullivanb@emmanuel.edu)



Clues start at left, on page 144. The Solution is on page 102.

Extra copies of the puzzle can be found at the MAGAZINE's website, [www.maa.org/mathmag/supplements](http://www.maa.org/mathmag/supplements).

## Crossword Puzzle Creators

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