

ACROSS

- 1 Obtained by adding a star
- 5 Fired
- 9 Archaic preposition
- 13 Ctrl-Z
- 14 Pretty good, slangily
- 15 Absorb written information
- 16 Activity at an online auction
- 17 Ms., in Spanish
- 18 Japanese mathematician whose name appears in a conjecture along with 11-Down
- 19 They cause some real head-scratchers
- 20 What prompted Archimedes' "Eureka!"
- 23 Half of a mule
- 24 Later leader of the Italian school of algebraic geometry
- 25 Egyptian serpent
- 26 "Set" with elements duplicated
- 27 Triangle postulate in high school geometry
- 30 Harry Potter alley
- 33 Likelihood of dying of decimation
- 35 Wide, in Spanish
- 36 Resource needed to cast spells in video games
- 37 Old folks
- 41 Ma'am counterpart
- 42 Spooky
- 43 What 7 did to 9

- 44 Name associated to a theorem in the representation theory of Lie algebras
- 47 What the first "p" stands for in "fppf"?
- 49 The most common choice of microdosers
- 50 Skillful and refined execution
- 53 Sharp tool used to make holes
- 55 Fish eggs
- 58 What definite integrals compute
- 59 Feline star sign
- 60 Polyá's ___
- 61 Periods of silence, musically
- 62 Right, then down, then left
- 63 Intersected

DOWN

- 1 Galois' bane
- 2 Removing factors that would skew a statistical distribution
- 3 Geometric object associated with Huber rings
- 4 These contain 56-Down
- 5 Square roots of variances
- 6 ___ de Provence (cooking ingredient popularized in the US by Julia Child)
- 7 12 semitones
- 8 Shirt expressing enthusiasm for boiled leaves?
- 9 ___ Major
- 10 "Cool!"
- 11 Ribet's advisor

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- 12 "Rank" and "Offensive" are synonyms when applied to this
- 21 Gender-affirming treatment
- 22 German algebraist who introduced rings generalizing the p-adics
- 24 9-digit sequence you should probably keep secret
- 25 Often cited as the author of the first computer program
- 27 Required for a "ba-dum tss"
- 28 News network in HBO's Succession
- 29 Cyrillic letter sometimes used in the study of abelian varieties
- 31 Type of butter
- 32 Goop
- 34 Gives off
- 38 Functions involved in Gaussian likelihoods
- 39 Agitate
- 40 It's big and it's blue
- 41 Yellowish
- 44 From a distance
- 45 Serious
- 46 The nonzero parts of binary strings
- 48 Fabrication
- 51 Om nom nom verb
- 52 Triangle postulate in high school geometry
- 54 Filmmaker known for symmetric cinematography
- 56 What is found in 4-Down
- 57 Tolkien's wooden ally

Solutions and archive:
<https://math.berkeley.edu/~cjdowd/crosswords.html>