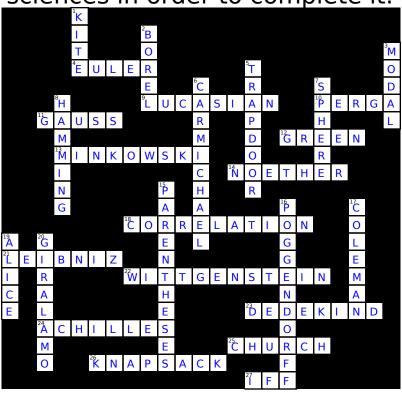
Mathematics Matt Marsteller

This puzzle will probably require you to use typical university library reference resources for mathemátical sciences in order to complete it.



Across

- He was given permission to visit Johann Bernoulli
- reely every Saturday afternoon
 Professor of Mathematics was once
 held by Sir Michael James Lighthill, FRS 9

10 Apollonius of

- Famous mathematician that worked at the observatory at Göttingen for forty-seven years His function is now extensively used in the

solution of partial differential equations Shared the 1883 Grand Prix des Sciences Mathématiques with H.J. Smith

- 14 German mathematician, known for her highly creative work in the theory of rings non-commutative algebras and other areas of abstract algebra
- 18 Between two random variables, this is a measure of the extent to which a change in one tends to correspond to a change in the other.
- 21 German mathematician, philosopher, scientist and writer on a wide range of subjects, who was,
- with Newton , the founder of the calculus Authored "Tractatus Logico-Philosophicus" His "cut" was introduced in 1872

- The paradox which arises from considering how overtaking takes place Professor Peter Andrew's Dissertation Advisor
- The problem of packing one bin with items of different sizes, where the items have an associated value, so as to maximize the total
- 27 Abbreviation for if and only if

- A quadrilateral that has two adjacent sides of equal length and the other two sides of equal length
- Proved the minimax theorem for three players
 The logic of necessity and possibility
 A one-to-one function whose values are easy to calculate but whose inverse is difficult to evaluate
- number (pseudo-prime)
 A closed surface that is the locus of all points that are a fixed distance (the radius) from a given point (the centre).
- One of a family of linear single error-correcting codes that can also detect (but not correct) two
- Used in algebraic expressions to change the order in which arithmetic operations are to be carried out
- Commonly recognized name of an important index to the literature of 18th and 19th century science
- Author that Professor David Ross Owen has collaborated with the most
- The name conventionally used for the sender of an encrypted message
- Narrowly missed becoming the first to discover a non-Euclidean geometry in 1733