Robert Phelan Langlands Encyclopedia Article

Robert Phelan Langlands

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Robert Phelan Langlands

1936-

Canadian-American mathematician who formulated the Langlands program. Langlands developed a series of conjectures and problems that related seemingly disparate areas of mathematics, including algebra, algebraic geometry, and number theory. The known results coming from his conjectures have been very important in linking number theory and representation theory. Many of his problems and conjectures are still unsolved. Langlands has received numerous honors and awards, including the Wolf Prize, which he shared with Andrew Wiles in 1995.