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## K-theory.

"He took old ideas and refurbished them," said Dr. Atiyah, who collaborated with Dr. Hirzebruch. "All of these fields had links before, but he was the person who mainly developed those links and put them in a modern form and forged a new way forward."

Friedrich Ernst Peter Hirzebruch was born on Oct. 17, 1927, in Hamm, Westphalia. His father, Fritz, a mathematician, was his first math teacher.

He was drafted into the Luftwaffe youth corps when World War II started. Spending long nights in antiaircraft positions watching the skies, he imagined spherical triangles drawn across the sky and worked out their geometry. Later in the war, he was briefly imprisoned by Allied forces. In prison he used toilet paper to write mathematical proofs.

Dr. Hirzebruch received many awards and honors, including the <u>Wolf Prize</u> in 1988, the Lobachevsky Prize in 1990 and nine honorary doctorates.

He is survived by his wife of 59 years, the former Ingeborg Spitzley; three children, Ulrike Schmickler-Hirzebruch, Barbara Hirsch and Michael Hirzebruch; and six grandchildren.

Even while serving as director of the Max Planck Institute, Dr. Hirzebruch continued teaching at the University of Bonn.

As a lecturer, Dr. Atiyah recalled: "He was a very skilled conjurer in the sense that he would lead you along and you didn't know where you were going, and then suddenly at the end of the lecture a beautiful thing would emerge. It was a work of art, a little theatrical production that gave the appearance of being ordinary, but they were very carefully planned."

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