



JAN MIKUSIŃSKI

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3 April 1913 – 27 July 1987

Jan Mikusiński was born in Stanisławów. He completed his secondary education and university studies in Poznań (graduating from the University of Poznań in 1937).

During the Nazi occupation he dwelt mainly in Cracow. He took part in the underground teaching, was arrested by the Germans and spent some time in prison. Later he participated in Professor Tadeusz Ważewski's secret mathematical seminars and just then the first presentation of the main ideas of his operational calculus took place.

After the war, in 1945, Jan Mikusiński took his Ph.D. at the Jagiellonian University, based on a thesis on differential equations. Then he worked in Poznań, at the University and the Engineering School. In 1946, he moved to Lublin and there, at the Maria Curie-Skłodowska University, qualified as assistant professor; next year he became professor of mathematics.

During the period 1948–1955 Jan Mikusiński was professor of the University of Wrocław and the, 1955–1959, of the University of Warsaw. At the same time, he also worked at the State Institute of Mathematics, established in 1948 and later transformed into the Institute of Mathematics of the Polish Academy of Sciences.

In 1959, Jan Mikusiński was forced to resign from his professorship of the University of Warsaw, because of a serious illness, but he held a position at the Institute of Mathematics of the Academy, where he was later appointed head of the analysis section. In 1960, he moved to Katowice where he became one of the creators of the mathematical community in Silesia. In 1966, he organized the Katowice branch of the Institute of Mathematics of the Polish Academy of Sciences. He was head of this branch until his retirement in 1984.

He was chosen full member of the Polish Academy of Sciences in 1971. He was also a member of the Serbian Academy of Science and Art, a honorary member of the Polish Mathematical Society and held a honorary doctorate of the University of Rostock. He was honoured with numerous awards and distinctions by the authorities and the mathematical community.

His interests in mathematics and its applications ranged widely and contained real and complex analysis, differential and functional equations,

generalized functions, functional analysis, the theory of measure and integration, algebra, geometry, number theory, mechanics, electrotechnics, acoustics, optics, photography, chromatography, and music.

Jan Mikusiński is generally recognized as the creator of the algebraic approach in operational calculus and other theories: the elementary theory of distributions, the uniform approach to the Lebesgue and Bochner integrals. He was invited to many mathematical centers in various countries.

He was a great teacher and an efficient organizer of mathematical life.

In spite of bad conditions of his health, he was a very active researcher and worked to the last days of his life. He published more than twenty books and about 150 papers.

Forty of his papers appeared in this journal with which he was closely associated being a member of the Editorial Board.

Mathematical books of Jan Mikusiński

- I. *Operational Calculus*, PWN, Warszawa 1953 (in Polish, 1st edition).
- II. *Operational Calculus*, Izdat. Inostr. Liter., Moscow 1956 (in Russian).
- III. (with S. Hartman) *The Theory of Lebesgue Measure and Integration*, PWN, Warszawa 1957 (in Polish).
- IV. *Operatorenrechnung*, VEB Deutscher Verlag der Wissenschaften, Berlin 1957.
- V. *Operational Calculus*, PWN, Warszawa 1957 (in Polish, 2nd enlarged edition).
- VI. *Introduction to Mathematical Analysis*, PWN, Warszawa 1957 (in Polish).
- VII. *Operational Calculus*, Pergamon Press and PWN, Oxford–Warszawa 1959 (1st English edition).
- VIII. (with R. Sikorski) *The Elementary Theory of Distributions (I)*, Izdat. Inostr. Liter., Moscow 1959 (in Russian).
- IX. (with R. Sikorski) *The Elementary Theory of Distributions*, Peking 1960 (in Chinese).
- X. *Operational Calculus*, Műszaki Könyvkiado, Budapest 1961 (in Hungarian).
- XI. (with S. Hartman) *The Theory of Lebesgue Measure and Integration*, Pergamon Press and PWN, New York–Warszawa 1961.
- XII. *Une introduction élémentaire à la théorie des distributions de plusieurs variables*, CIME, Inst. Mat. dell Univ., Roma 1961.
- XIII. *Operational Calculus*, Yokabo, Tokyo 1957 (in Japanese; there appeared then more than ten Japanese editions).
- XIV. (with R. Sikorski) *The Elementary Theory of Distributions*, Izdat. Inostr. Liter., Moscow 1963 (in Russian).
- XV. *Una introducción de la integral sin la noción de medida*, Univ. de Buenos Aires, Dep. de Mat., Buenos Aires 1963.
- XVI. (with R. Sikorski) *The Elementary Theory of Distributions*, PWN, Warszawa 1964 (in Polish).
- XVII. (with R. Sikorski) *Théorie élémentaire des distributions*, Gauthier-Villars, Paris 1964.
- XVIII. *An Introduction to the Theory of the Lebesgue and Bochner Integrals*, Univ. of Florida, Dept. of Math., Gainesville 1964.
- XIX. *Operational Calculus*, Pergamon Press and PWN, Oxford–Warszawa 1967 (reprinted from the 1st English edition).
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- XXI. (with P. Antosik and R. Sikorski) *Theory of Distributions. The Sequential Approach*, Elsevier and PWN, Amsterdam–Warszawa 1973.
- XXII. (with P. Antosik and R. Sikorski) *Theory of Distributions. The Sequential Approach*, Mir, Moscow 1973 (in Russian).
- XXIII. *The Bochner Integral*, Birkhäuser, Basel–Stuttgart 1978.
- XXIV. (with K. Skórnik) *On Axially Symmetric Optical Instruments*, Zakład Narodowy im. Ossolińskich, Wrocław 1979 (in Polish).
- XXV. *Operational Calculus, Volume I*, PWN and Pergamon Press, 1983 (2nd enlarged two-volume English edition).
- XXVI. (with T. K. Boehme) *Operational Calculus, Volume II*, PWN and Pergamon Press, 1987 (2nd enlarged two-volume English edition).

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- [2] *Sur les intégrales de quelques équations différentielles linéaires*, Ann. Univ. Mariae Curie-Skłodowska Sect. A 1 (1946), 23–34.
- [3] *Sur l'équation différentielle* $y^{(6)} + x = 0$, ibid. 35–40.
- [4] *Sur la notion de point remarquable dans la géométrie du triangle*, ibid. 41–44.
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- [6] *Les méthodes algébriques dans l'analyse fonctionnelle*, C. R. Acad. Sci. Paris 224 (1947), 1685–1687.
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- [8] *L'anneau algébrique et ses applications dans l'analyse fonctionnelle (Première partie)*, Ann. Univ. Mariae Curie-Skłodowska Sect. A 2 (1947), 1–48.

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- [12] (with C. Ryll-Nardzewski) *On linear functionals in abelian groups*, Colloq. Math. 1 (1948), 294–296.

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- [13] *L'anneau algébrique et ses applications dans l'analyse fonctionnelle (Deuxième partie)*, Ann. Univ. Mariae Curie-Skłodowska Sect. A 3 (1949), 1–84.
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 [28] *Sur les fonctions exponentielles du calcul opératoire*, *ibid.* 208–224.
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