Shin-ichi IZUMI
1904–1990
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Shin-ichi Izumi, professor emeritus of Tōhoku University and one of the former editors of this journal, passed away in Tokyo on June 14, 1990.

He was born in Sendai on July 2, 1904. He graduated from Tōhoku Imperial University in March, 1927 receiving the degree of Bachelor of Science in Mathematics. He was appointed to lecturer in Mathematics at Tōhoku Imperial University in 1928, promoted to assistant professor in 1934 and to full professor in 1942. In the mean time, Tōhoku Imperial University conferred on him in 1938 the degree of Doctor of Science in Mathematics. In 1942 he resigned as professor of Tōhoku Imperial University. Since then he served as professor of Tokyo Metropolitan University from 1950 to 1956, professor of Hokkaido University from 1956 to 1961 and professor of Nihon University from 1961 to 1965. He was a visiting professor at Academia Sinica and Tsing-Hua University in Taiwan from 1965 to 1966. He was a senior research fellow at the Australian National University from 1966 to 1969, a visiting fellow from 1969 to 1971 and honorable fellow of the Institute of Advanced Studies of the above university from 1971 to 1982.

He visited the University of Chicago and Princeton University as exchange professor under Fulbright fellowship from 1957 to 1959, and Montpellier University from 1960 to 1961.

From 1982 on he stayed in Tokyo.

Throughout his mathematical career he was interested in analytic number theory and topics related to it. He worked and published many papers on Fourier series, Fourier integrals, theory of integrals, in particular Denjoy integral, central limit theorems and so on.

Some of the papers in Japanese are not included in the list of publications below.

Tamotsu Tsuchikura

List of publications of Shin-ichi Izumi

[ 1 ] Einige Bemerkungen zur verallgenmeinerten Schwarzschen Ungleichung, 

[ 2 ] Über die lineare Transformation in der Theorie der unendlichen Reihen, 

[ 3 ] Einiges über die Differenzoperation in der Theorie der unendlichen Reihen, 


[31] Integral functions defined by Dirichlet's series, Japanese J. of Math. 6 (1929), 199–204.


[33] Integration of conjugate functions, Japanese J. of Math. 6 (1929), 333–337.


(1934), 132–136.


[53] (with T. Takahashi) General convergence theorems, Sci. Reports of Tōhoku Imperial Univ. 23 (1934), 477–483.

[54] Remarks on Fourier integrals, Sci. Reports of Tōhoku Imperial Univ. 23 (1934), 484–490.


[71] (with T. Kawata) Quasi-analytic class and closure of \( \{t^n\} \) in the interval \( (-\infty, \infty) \), Tōhoku Math. J. 43 (1937), 267–273.
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<th>Year</th>
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<tr>
<td>1940</td>
<td>An abstract integral, Proc. Imperial Acad. of Japan 16 (1940), 21–25.</td>
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<td>Lattice theoretic foundation of circle geometry, Proc. Imperial Acad. of Japan 16 (1940), 515–517.</td>
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A remark on ergodic theorems, Proc. Imperial Acad. of Japan 19 (1943), 102–104.


Notes on Fourier analysis XXVII, A theorem on Cesàro summation, Tôhoku


Notes of Fourier analysis XL, J. of Math. 1 (1953), 80–86.


(with R. Mohanty) On the absolute logarithmic summability of Fourier series of order one, Tôhoku Math. J. Ser 2, 8 (1956), 201–204.


(with S. Bochner) Strong law of large numbers for sequences of almost periodic functions, Annales of Math. 69 (1959), 718–732.


(with M. Izumi) A new convergence criterion for Fourier series, Proc. Japan
Acad. 42 (1966), 75–77.


Some topics on the summability and absolute summability of Fourier series, Séminaire d'Analyse Moderne, No. 8, Département de Mathématiques, Université de Sherbrooke, Sherbrooke, Que., 1971, iii+103pp.
List of monographs in Japanese (incomplete)