

REFERENCES

1. N. K. Bary : A Treatise on Trigonometric Series, Vol.I (Pergamon Press, 1964).
2. _____ : A Treatise on Trigonometric Series, Vol.II (Pergamon Press, 1964).
3. Jia-Arng, Chao : On Fourier series with gaps, Proc. Japan Acad. 42 (1966), pp.308-312.
4. E. Fabry : Sur les séries de Taylor qui ont une infinité de points singuliers, Acta Math. 22 (1898-1899), pp. 65-87.
5. P. Fatou : Séries trigonométriques et séries de Taylor, Acta Math. 30 (1906), pp.335-400.
6. Alessandro, Figa-Talamanca : An example in the theory of lacunary Fourier series, Boll. Un. Mat. Ital. (4) 3 (1970), pp. 375-378.
7. T. M. Flett : Some remarks on strong summability, Quart. J. Math. (Oxford) 10 (1959), pp. 115-139.
8. V. F. Gaposkin : Lacunary series and independent functions, Uspehi Mat. Nauk 21(1966), No.6, pp. 3-81.
9. J. Hadamard : Essai sur l'étude des fonctions données par leur développements de Taylor, J. Math. 8 (1892), pp.101-186.
10. G. H. Hardy : Weierstrass's non differentiable function, Trans. Amer. Math. Soc. 17 (1916), pp. 301-325.
11. G. H. Hardy and: J. E. Littlewood : The allied series of a Fourier series, Proc. London Math. Soc. (2) Vol. 24 (1926), pp.211-246.

12. G. H. Hardy and J. E. Littlewood : A convergence criterion for Fourier series, *Mathematische Zeitschrift*, 28 (1928), pp. 612-634.
13. _____ : Notes on the theory of series(IX): On the absolute convergence of Fourier series, *Journal of the London Mathematical Society*, Vol. 3, (1928), pp.250-253.
14. _____ : Some properties of fractional integrals. I, *Mathematische Zeitschrift*, 27, (1928), pp.565-606.
15. M. Izumi and S. I. Izumi : On lacunary Fourier series, *Proc. Japan Acad.* 41(1965), pp. 648-651.
16. J. P. Kahane : Lacunary Taylor and Fourier series, *Bull. Amer. Math. Soc.* 70 (1964), No.2, pp. 199-213.
17. P. B. Kennedy : Fourier series with gaps-I, *Quart. J. Math. (Oxford)* (2), 7 (1956), pp. 224 - 230.
18. _____ : Fourier series with gaps-II, *Quart. J. Math. (Oxford)* (2), 8 (1957), pp. 84-88.
19. _____ : On the coefficients in certain Fourier series, *J. London Math. Soc.* 33 (1958), pp. 196-207.
20. _____ : Note on Fourier series with Hadamard gaps, *J. London Math. Soc.* 39 (1964), pp.115-116.
21. S. Mandlebrojt : Séries de Fourier et classes quasianalytiques de fonctions, Gauthier Villars, Paris, 1935.

22. S. M. Mazhar : On the absolute convergence of a Fourier series with gaps, Proc. Nat. Inst. Sci. India, Part A 26 (1960), pp.104-109.
23. M. E. Noble : Coefficient properties of Fourier series with a gap condition, Math. Annalen 128 (1954), pp.55-62; Correction, p.256.
24. Obrechhoff, N. : Sur la convergence des séries trigonométriques. C. R. Acad. Sci., Paris 179 (1924), pp. 1128-1130.
25. R. E. A. C. Paley : Fourier Transforms in the complex and N. Wiener Domain, Amer. Math. Soc. Colloq. Publ. Vol. XIX, 1934.
26. J. R. Patadia : On the absolute convergence of lacunary Fourier series, J. London Math. Soc. (2), 14 (1976), pp. 113-119.
27. _____ : On lacunary Fourier series, Journal of the Indian Math. Soc. 42 (1978) pp. 245-251.
28. J. R. Patadia and : On the absolute convergence of V. M. Shah lacunary Fourier series, Proc. Amer. Math. Soc., Vol. 83, No.4 (1981), pp. 680-682.
29. _____ : On the absolute convergence of lacunary Fourier series, under communication.

30. N. V. Patel : On the absolute summability of
a lacunary Fourier series,
The Journal of the M. S. University
of Baroda, Vol. XXIX (1980) No.3,
pp. 49-56.

31. N. V. Patel and : On the coefficients in certain
V. M. Shah lacunary trigonometric series.
(To appear in the Journal of the
M. S. University of Baroda,
Vol. XXX (1981) Science No.3).

32. G. Pólya : On converse gap theorems,
Trans. Amer. Math. Soc. 52 (1942),
pp. 65-71.

33. F. Riesz : ^{**}Über die Fourier Koeffizienten
einer Stetigen Funktion von
beschränkter Schwankung,
Math. Z. 2(1918), pp. 312-315.

34. Masako, Satô : Lacunary Fourier series-II,
Proc. Japan Acad. 31 (1955),
pp. 508-510.

35. V. M. Shah : ⁻Convergence and Summability
problems of lacunary Fourier
series, Ph. D. Thesis, The M.S.
University of Baroda, May 1970.

36. O. G. Suslikowa : ^{**}Über lakunäre Trigonometrische
Fourier reihen, Vestnik Moskov.
Univ., Ser. I, 28 (1973), No.6,
pp. 46 - 55.

37. M. Tomic : On the order of magnitude of
Fourier coefficients with Hadamard
gaps, J. London Math. Soc.
37 (1962), pp. 117-120.

38. M. Tomić : On the coefficients of Fourier series with Hadamard gaps, Bull. Acad. Serbe. Sci. Arts. **cl. Sci. Math. Natur. Sci. Math.** 35 (1966), No.5, pp. 63-68.
39. Waraszkiewicz, Z : Sur un théorème de M. Zygmund, Bulletin Inter. de l'Académie Polonaise, Class A de Sciences Math. et naturelles, Cracovie. (1929), pp. 275-279.
40. K. Weierstrass : Über continuirliche Functionen eines reellen Arguments, die für Keinen Werth des letzteren einen bestimmten Differentialquotienten besitzen, Königl. Akad. Wiss. (1872), Mathematische Werke II, pp. 71-74.
41. A. Zygmund : Some points in the theory of trigonometric and power series, Trans. Amer. Math. Soc. 36 (1934), pp. 586-617.
42. _____ : Smooth functions, Duke Math. J., 12, pp. 47-76.
43. _____ : Trigonometrical series, Warsaw, 1935.
44. _____ : Trigonometric series, Vol. I Cambridge University Press, 1959.
