

A NOTE ON THE RELATIONS OF CLASSES OF NUMERICAL SEQUENCES

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Abstract. We investigate the interrelations of three classes of numerical sequences that have connection with the L^1 -convergence of cosine series.

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REFERENCES

- [1] G. A. FOMIN, *A class of trigonometric series*, Mat. Zametki **23**(1978), 213–222.
- [2] L. LEINDLER, *On the equivalence of classes of Fourier coefficients*, Math. Ineq. & Applications **3**(2000), 45–50.
- [3] C. V. STANOJEVIĆ AND V. B. STANOJEVIĆ, *Generalizations of the Sidon–Telyakovskii theorem*, Proc. Amer. Math. Soc. **110**(1987), 679–684.
- [4] S. A. TELYAKOVSKIĬ, *On a sufficient condition of Sidon for integrability of trigonometric series*, Mat. Zametki **14**(1973), 317–328.

SUPPLEMENTARY REFERENCES

- [5] J. NÉMETH, *A note on two theorems of Leindler*, Math. Ineq. Appl. **5**(2), (2002), 225–233.
- [6] Z. TOMOVSKI, *A note on some classes on Fourier coefficients*, Math. Ineq. Appl. **2**(1), (1999), 15–18.
- [7] Z. TOMOVSKI, *Convergence and Inequality on some classes of trigonometric series*, Dissertationes Mathematicae, **420**(2003), 65 pp.