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ON THE EQUIVALENCE OF CLASSES OF FOURIER COEFFICIENTS

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Abstract. It is shown that the classes of Fourier coefficients defined by Fomin, furthermore by C. V. Stanojevič and V. B. Stanojevič are identical.

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REFERENCES

[1] G. A. FOMIN, *A class of trigonometric series*, Mat. Zametki **23** (1978), 213–222.
[2] J. W. GARRETT AND C. V. STANOJEVIČ, *Necessary and sufficient conditions for L^1-convergence of trigonometric series*, Proc. Amer. Math. Soc. **60** (1976), 68–71.
[3] C. V. STANOJEVIČ, *Classes of L^1-convergence of Fourier and Fourier-Stieltjes series*, Proc. Amer. Math. Soc. **82** (1981), 209–215.
[4] C. V. STANOJEVIČ AND V. B. STANOJEVIČ, *Generalizations of the Sidon-Telyakovskiĭ theorem*, Proc. Amer. Math. Soc. **110** (1987), 679–684.
[5] S. A. TELYAKOVSKIĬ, *On a sufficient condition of Sidon for integrability of trigonometric series*, Mat. Zametki **14** (1973), 317–328.
[6] Ž. TOMOVSKI, *A note on some classes of Fourier coefficients*, Math. Ineq. & Appl. (Zagreb) **2** (1999), 15–78.

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