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On a class of periodic Dirichlet series with functional equation. (English) Zbl 1441.11232
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Summary: The structure of the extended Selberg class of degree one was completely revealed by *J. Kaczorowski* and *A. Perelli* [*Acta Math.* 182, No. 2, 207–241 (1999; [Zbl 1126.11335](#))]. In this short paper, we give a new characterization of the functions with periodic coefficients in that class by giving a simple relation that the coefficients have to satisfy.

MSC:

[11M41](#) Other Dirichlet series and zeta functions

[30B50](#) Dirichlet series, exponential series and other series in one complex variable

Keywords:

periodic Dirichlet series; degree one L -functions; functional equations for L -functions

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