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General Ω -theorems for coefficients of L -functions

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Abstract: We prove a general Ω -theorem for the coefficients of polynomial combinations of L -functions from the Selberg class. As a consequence, we show that the real and imaginary parts of any linear combination of coefficients of such L -functions have infinitely many sign changes, provided some simple necessary conditions are satisfied.

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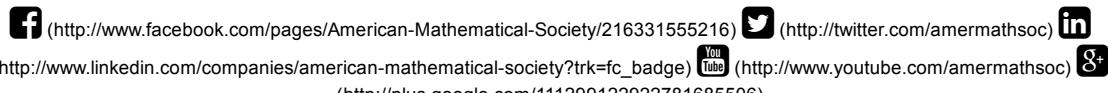
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