

On Some Asymptotic Properties of Solutions to Second-Order
Linear Differential Equations with Periodic
Non-Constant Coefficients

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We will discuss some asymptotic properties of solutions to the equation

$$u'' = p(t)u + g(t)u',$$

where $p, g: \mathbb{R} \rightarrow \mathbb{R}$ are ω -periodic (in general, sign-changing) locally Lebesgue integrable functions.