

[Lassoued, Dhaou](#)

**Exponential dichotomy of nonautonomous periodic systems in terms of the boundedness of certain periodic Cauchy problems.** (English) [Zbl 1294.34059](#)

[Electron. J. Differ. Equ.](#) 2013, Paper No. 89, 7 p. (2013).

The author considers exponential dichotomy of nonautonomous periodic systems in terms of the boundedness of certain periodic Cauchy problems. He presents a sufficient and necessary condition that a family of  $q$ -periodic continuous matrix valued function  $\{A(t)\}_{t \in \mathbb{R}}$  has an exponential dichotomy with a projector  $P$ .

Reviewer: [Jialin Hong \(Beijing\)](#)

**MSC:**

[34D09](#) Dichotomy, trichotomy of solutions to ordinary differential equations  
[47A05](#) General (adjoints, conjugates, products, inverses, domains, ranges, etc.)  
[34C11](#) Growth and boundedness of solutions to ordinary differential equations

Cited in **1** Document

**Keywords:**

[periodic evolution families](#); [exponential dichotomy](#); [boundedness](#)

**Full Text:** [EMIS](#)