

**INTEGRATION OF PERIODIC FUNCTIONS AND RELATED
PROBLEMS IN ANALYSIS
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ABSTRACT. In this talk we will introduce an inspiring problem about antiderivatives of periodic functions. Conditions under which a periodic antiderivative exists will be given and we will extend the result to almost periodic functions. This allows us to reformulate the problem in a new context. We will provide a brief account of recent developments in this area of research.

Every faculty is encouraged to attend. The talk should be accessible to a Calculus II student.

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