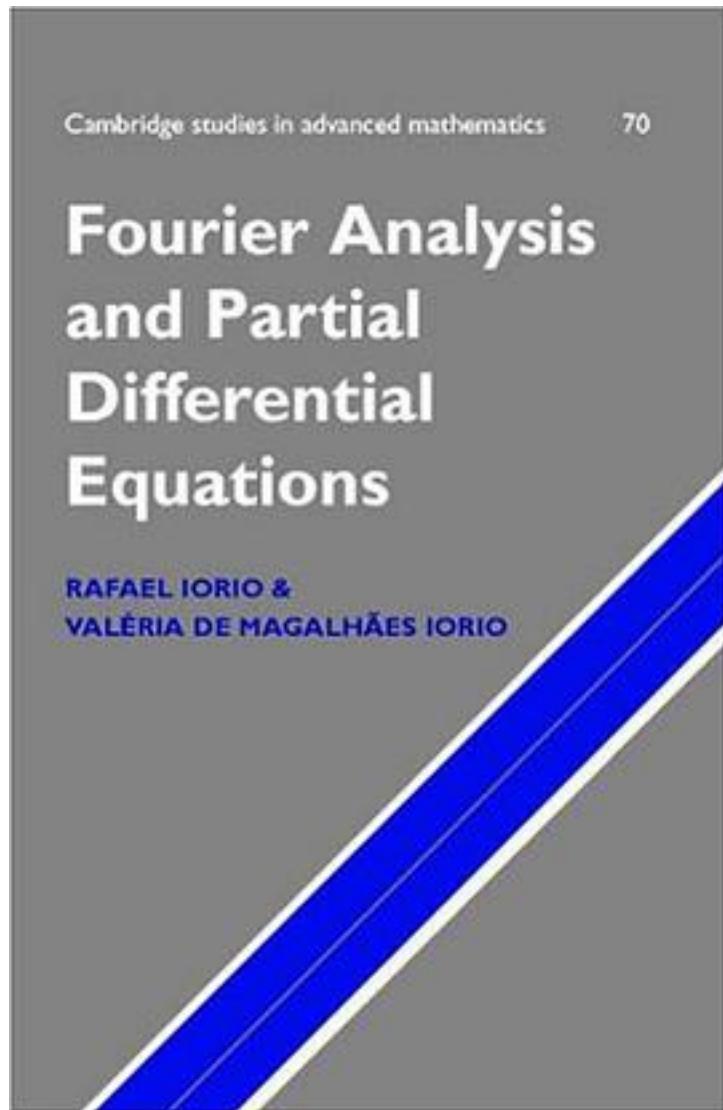


Fourier Analysis and Partial Differential Equations



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著者:Jr, Rafael José Iorio

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This modern introduction to Fourier analysis and partial differential equations is intended to be used with courses for beginning graduate students. With minimal prerequisites the authors take the reader from fundamentals to research topics in the area of nonlinear evolution equations, including a fairly complete discussion of local and global well-posedness for the nonlinear Schrödinger and the Korteweg-de Vries equations; they turn their attention, in the two final chapters, to the nonperiodic setting, concentrating on problems that do not occur in the periodic case.

作者介绍:

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标签

数学

评论

工科版本的数学书，但是里面有不少关键概念的提出还是让人心领神会的。一阶和二阶偏微分方程取决于应变量函数是否与自变量函数的导数有关性；变分与极值和从差分方程取极限过程相反；变量，已知函数，未知函数，未知函数的导数，偏导数，这几个对象的关系构造成为了方程，求带有未知函数偏导数的过程叫做求偏微分方程

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书评

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