

标题: Experimental demonstration of modulation instability in an optical fiber with a periodic dispersion landscape

作者: Droques, M (Droques, M.); Kudlinski, A (Kudlinski, A.); Bouwmans, G (Bouwmans, G.); Martinelli, G (Martinelli, G.); Mussot, A (Mussot, A.)

来源出版物: OPTICS LETTERS 卷: 37 期: 23 页: 4832-4834 出版年: DEC 1 2012

在 Web of Science 中的被引频次: 0

被引频次合计: 0

引用的参考文献数: 14

摘要: We report the experimental demonstration of a modulation instability (MI) process assisted by a periodic dispersion modulation in an optical fiber. We observe the spontaneous growth of more than 10 pairs of MI sidebands spanning over more than 10 THz thanks to a quasi-phase-matched process. (C) 2012 Optical Society of America

入藏号: WOS:000311943900009

语种: English

文献类型: Article

KeyWords Plus: SIDE-BAND INSTABILITY; POWER VARIATION; MANAGEMENT; AMPLIFIER; SYSTEMS; CHAIN

地址: [Droques, M.; Kudlinski, A.; Bouwmans, G.; Martinelli, G.; Mussot, A.] Univ Lille 1, IRCICA, Lab PhLAM UMR CNRS 8523, F-59655 Villeneuve Dascq, France

通讯作者地址: Kudlinski, A (通讯作者), Univ Lille 1, IRCICA, Lab PhLAM UMR CNRS 8523, F-59655 Villeneuve Dascq, France.

电子邮件地址: alexandre.kudlinski@univ-lille1.fr

出版商: OPTICAL SOC AMER

出版商地址: 2010 MASSACHUSETTS AVE NW, WASHINGTON, DC 20036 USA

Web of Science 类别: Optics

研究方向: Optics

IDS 号: 048WM

ISSN: 0146-9592

29 字符的来源出版物名称缩写: OPT LETT

ISO 来源出版物缩写: Opt. Lett.

来源出版物页码计数: 3