



## Comparative study of soliton complexes in different laser configurations

Submitted by Emmanuel Lemoine on Wed, 10/29/2014 - 13:38

Titre	Comparative study of soliton complexes in different laser configurations
Type de publication	Communication
Type	Conférence invitée
Année	2011
Langue	Anglais
Date du colloque	2011
Titre du colloque	13th International Conference on Transparent Optical Networks (ICTON 2011)
Pagination	519 - 522
Auteur	Amrani, Foued [1], Salhi, Mohamed [2], Leblond, Hervé [3], Sanchez, François [4]
Pays	Suède
Ville	Stockholm
ISBN	978-1-4577-0881-7
Mots-clés	Cavity resonators [5], disorganized soliton structures [6], double-clad fiber laser [7], erbium [8], fiber laser [9], Fiber lasers [10], fibre lasers [11], figure-eight cavity [12], laser cavity resonators [13], laser configurations [14], laser mirrors [15], laser mode locking [16], nonlinear optical loop mirror [17], nonlinear polarization rotation [18], Optical fiber dispersion [19], Optical fiber polarization [20], optical fibre cladding [21], optical fibre polarisation [22], optical solitons [23], passively mode-locked laser [24], self-organized soliton structures [25], short-pulse [26], soliton [27], soliton complexes [28], Solitons [29], ytterbium [30]
Résumé en anglais	We investigate the formation of self-organized and disorganized soliton structures in passively mode-locked Er:Yb doped double-clad fiber laser. Two laser configurations are studied. The first one is based on mode-locking through nonlinear polarization rotation while the second geometry is a figure-eight cavity in which the mode-locking is obtained with a nonlinear optical loop mirror. Although the physical mechanisms of mode-locking are different, we demonstrate that collective behaviours and soliton complexes are similar in both configurations. That demonstrates the universality of the solitonic structures.
Notes	Date du colloque : 06/2011
URL de la notice	<a href="http://okina.univ-angers.fr/publications/ua5289">http://okina.univ-angers.fr/publications/ua5289</a> [31]
DOI	10.1109/ICTON.2011.5970948 [32]
Lien vers le document en ligne	<a href="http://dx.doi.org/10.1109/ICTON.2011.5970948">http://dx.doi.org/10.1109/ICTON.2011.5970948</a> [32]

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