



Study of a harmonic mode lock stability under external continuous-wave injection

Submitted by François Sanchez on Fri, 09/27/2019 - 10:15

Titre	Study of a harmonic mode lock stability under external continuous-wave injection
Type de publication	Article de revue
Auteur	Semaan, Georges [1], Komarov, Andrey [2], Salhi, Mohamed [3], Sanchez, François [4]
Editeur	Elsevier
Type	Article scientifique dans une revue à comité de lecture
Année	2017
Langue	Anglais
Date	Mars 2017
Pagination	65
Volume	387
Titre de la revue	Optics Communications
ISSN	00304018
Mots-clés	External optical injection [5], harmonic mode locking [6], Mode-locked fiber laser [7]
Résumé en anglais	In this paper, we investigate experimentally the effect of an injected continuous external optical laser in a stable passive harmonic mode-locked fiber laser operating in the anomalous dispersion regime. Under specific conditions, the continuous-wave significantly increases the stability of the harmonic mode-locked regime. This occurs for a discrete set of wavelengths and below a critical injected power.
URL de la notice	http://okina.univ-angers.fr/publications/ua20255 [8]
DOI	10.1016/j.optcom.2016.11.010 [9]
Lien vers le document	https://www.sciencedirect.com/science/article/abs/pii/S0030401816309749?... [10]
Titre abrégé	Optics Communications

Liens

[1] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=15653>

[2] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=8560>

[3] <http://okina.univ-angers.fr/m.salhi/publications>

[4] <http://okina.univ-angers.fr/francois.sanchez/publications>

[5] <http://okina.univ-angers.fr/publications?f%5Bkeyword%5D=29363>

[6] <http://okina.univ-angers.fr/publications?f%5Bkeyword%5D=21586>

[7] <http://okina.univ-angers.fr/publications?f%5Bkeyword%5D=29362>

[8] <http://okina.univ-angers.fr/publications/ua20255>

[9] <http://dx.doi.org/10.1016/j.optcom.2016.11.010>

[10] <https://www.sciencedirect.com/science/article/abs/pii/S0030401816309749?via%3Dihub>

