



Modelling of figure-eight all-fiber laser

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Auteur	Salhi, Mohamed [1], Amrani, Foued [2], Leblond, Hervé [3], Sanchez, François [4]
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Résumé en anglais	The figure-eight fiber laser is considered in two configurations, with either a unidirectional active ring cavity coupled with a nonlinear optical loop mirror (NOLM) or a unidirectional passive cavity and a nonlinear amplifying loop mirror (NALM). In each case, we derive a master equation of cubic complex Ginzburg Landau (CGL) type, in which the coefficients explicitly depend on the characteristics of the cavity. Single-pulse and continuous wave (cw) solutions in both normal and anomalous dispersion are discussed analytically.
Notes	Date du colloque : 08/2010
URL de la notice	http://okina.univ-angers.fr/publications/ua5299 [5]

Liens

- [1] <http://okina.univ-angers.fr/m.salhi/publications>
- [2] [http://okina.univ-angers.fr/publications?f\[author\]=8557](http://okina.univ-angers.fr/publications?f[author]=8557)
- [3] <http://okina.univ-angers.fr/herve.leblond/publications>
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