



Refractive-index saturation-mediated multiple line emission in polymer thin-film distributed-feedback lasers.

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Résumé en anglais	We report experimental and theoretical investigations of multiple laser-line emission in a distributed-feedback dye laser pumped by two coherent optical beams. We have used a Lloyd interferometer configuration with second- and third-order Bragg reflections to study the interaction between the two incident pumps in an organic thin film. We demonstrated theoretically that the number of laser emission lines can be interpreted with reference to the saturation effect in the refractive index.
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- [2] [http://okina.univ-angers.fr/publications?f\[author\]=16770](http://okina.univ-angers.fr/publications?f[author]=16770)
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