

Nonlinear optics and laser emission through random media

Folli, Viola, author

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20425275&lokasi=lokal>

Abstrak

This text provides a comprehensive investigation of the role of disorder in the nonlinear optical propagation both in transparent media and lasers. Eventually, disorder promotes and enhances complex nonlinear dynamics opening new perspectives in applied research driven by the processes of localization of the electromagnetic field. The first experimental study of laser emission in granular media unveils how randomness magnifies and largely affect laser-matter interactions.