## 24th Australian Institute of Physics Congress



Contribution ID: 123 Type: Talk (preferred)

## Characterising Solitons with Tuneable Multi-peak Spectra

Thursday 15 December 2022 15:00 (15 minutes)

We numerically and analytically examine solitons arising from a dispersion relation with several peaks of different local curvatures and wavenumbers. Their spectra have multiple separate frequency components whose relative intensities depend on the pulse power.

Authors: WIDJAJA, Justin (University of Sydney); DE STERKE, Martijn (University of Sydney)

Presenter: WIDJAJA, Justin (University of Sydney)

Session Classification: Australian and New Zealand Conference on Optics and Photonics

Track Classification: ANZCOP: ANZCOP: Nonlinear optics and photonics