24th Australian Institute of Physics Congress



Contribution ID: 615 Type: Poster

Next-Gen Tricoupler Device for Exoplanet Detection

Thursday 15 December 2022 18:45 (15 minutes)

Tricouplers can be utilised for nulling interferometry. We present laboratory characterisation of 3D tricouplers fabricated by ultrafast laser inscription as well as numerical solutions to coupled mode equations providing a parameter scan to optimise fabrication.

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Session Classification: Poster session

Track Classification: ANZCOP: ANZCOP: Astrophotonics