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Laser Threshold Magnetometry with Diamond Ring Resonator

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Here we model a Laser threshold magnetometer sensor with extremely high sensitivity. We predict the sensitivities of a sensor design utilising a diamond ring resonator as a function of resonator geometry and optical pump conditions.

Author: KORTHOLT, Christopher (RMIT University)

Co-authors: GREENTREE, Andrew (RMIT University); GIESE, Christian (Fraunhofer IAF); JESKE, Jan (Fraun-

hofer IAF); SUN, Qiang

Presenter: KORTHOLT, Christopher (RMIT University)

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