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Dynamics of quasi-one-dimensional dipolar condensate droplets

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We consider a quasi-one-dimensional dipolar BEC, with strong trapping along the two-axis orthogonal to the aligning dipole field (z-axis). When the z-axis trapping is switched off we numerically and analytically characterise the frequency and amplitude of the BEC width oscillations.

Author: Mr WANG, Junfan (University of Melbourne)

Co-author: Prof. MARTIN, Andy (University of Melbourne)

Presenter: Mr WANG, Junfan (University of Melbourne)

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