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Mathematics > Analysis of PDEs

## Sturmian Multiple Zeros for Stokes and Navier--Stokes Equations in \$\re^3\$ via Solenoidal Hermite Polynomials

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(Submitted on 15 Jul 2011 (v1), last revised 12 Oct 2012 (this version, v2))

Multiple spatial zero formations for Stokes and Navier-Stokes equations in three dimensions are shown to occur according to nodal sets of solenoidal Hermite polynomials. Extensions to well-posed Burnett equations with the biharmonic viscosity operator are also discussed.

Comments:	16 pages. arXiv admin note: text overlap with arXiv:0901.4286
Subjects:	Analysis of PDEs (math.AP)
MSC classes:	35K55, 35K40
Cite as:	arXiv:1107.3045 [math.AP]
	(or arXiv:1107.3045v2 [math.AP] for this version)

## **Submission history**

From: Victor Galaktionov [view email] [v1] Fri, 15 Jul 2011 11:29:08 GMT (31kb) [v2] Fri, 12 Oct 2012 11:47:21 GMT (31kb)

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