

**CENS : Centre for Nonlinear Studies, Estonian centre of excellence in research : annual report : 2014**

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**Discrete breathers above phonon spectrum**

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**Dynamic motion analysis of stepless and stepped planing hulls in random waves: a CFD model perspective**

**Niazmand Bilandi, Rasul**; Tavakoli, Sasan; Mancini, Simone; Dashtimanesh, Abbas Applied Ocean Research 2024 / art. 104046

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**Dynamic of a planing hull in regular waves: Comparison of experimental, numerical and mathematical methods**

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**Extended fractional singular Kalman filter**

**Nosrati, Komeil**; **Belikov, Juri**; **Tepljakov, Aleksei**; **Petlenkov, Eduard** Applied mathematics and computation 2023 / art. 127950,

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**Modeling of self-localized vibrations and defect formation in solids**

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**Nonlinear dynamics in PEH for enhanced power output and vibration suppression in metastructures**

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**Spectral asymmetry and Higuchi's fractal dimension measures of depression electroencephalogram**

**Bachmann, Maie**; **Lass, Jaanus**; **Suhhova, Anna**; **Hinrikus, Hiie** Computational and Mathematical Methods in Medicine 2013 /

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