

PUBBLICAZIONE SCIENTIFICHE
DORETTA VIVONA

1 Articolo in rivista

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3 CONTRIBUTO IN VOLUME

[v14] P.Capodanno, D.Vivona (2008). **Mathematical study of planar oscillations of a heavy, almost homogeneous, incompressible, inviscid liquid partially filling a container**, 14th Conference on Waves and Stability in Continuous Media, *Proc. WASCOM2007*, EDS. N.Manganaro, R.Monaco, S.Rionero, pp. 90-95, World Scientific Publishing Co.Pte.Ltd., Singapore, ISBN: 13-978-981-277-234-3 ISBN: 10 981-277-234-0 (Dedicated to prof.T.Ruggeri, in the occasion of his 60th birthday)

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5.10 TEMI DI RICERCA

Si useranno le seguenti notazioni:

[v...] per articolo su rivista, [c...] per contributo in atti di convegno, [v...] per contributo in volume.

5.10.1 MODELLI FISICO-MATEMATICI

In questo filone si collocano le ricerche relative:

- alla Stabilità: studio delle piccole oscillazioni di sistemi corpi-corpi e corpi-gas risolti con metodi dell'analisi funzionale,
- G-calculus (generalized calculus): ricerca su operazioni generalizzate con applicazioni a problemi di calcolo differenziale ed integrale:

r35, r33, r32, r31, r30, r29, r28, r27, r26, r24, r21, r20, r19, r18, r15, r14, r13, r11, r10, r8, r7, r6, r5, r3, r3, r1;

a21, a19, a18, a17, a13, a12, a11, a6, a4, a3;

v14, v11, v.10, v9, v8, v7, v6, v5, v3, v1.

5.10.2 TEORIA DELL'INFORMAZIONE

Nell'ambito della Teoria dell'Informazione senza probabilità di Kampé de Fériet-Forte-Benvenuti: studio assomatico con applicazioni ai fuzzy sets ed agli operatori di aggregazione usando metodi dell'analisi funzionale:

r34, r31, r25, r23, r22, r17, r16, r12, r9, r4, r2, r1;

a24, a23, a22, a20, a16, a15, a14, a10, a9, a8, a7, a5, a4, a3, a2, a1;

v13, v12, v11, v4, v2, v1.