

Subject: Newsletter July 2007

From: Jürgen Geiser <geiser@mathematik.hu-berlin.de>

Date: Tue, 24 Jul 2007 16:02:33 +0200

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Dear Colleagues and Friends of our Splitting Group in Action,

recently we start a newsletter on our Splitting Group in Action.
The idea is to inform our members for the recent news, papers, results and conferences.

I will start monthly to inform our members and hope to get feedback and news from all of our members.

Here are the contents :

- 1.) Recent conference ICIAM 2007
- 2.) Projects and Publications
- 3.) FAQ's
- 4.) New Projects and new Special Issues
- 5.) Announcennts for further conferences

ad. 1.) Recent conference at ICIAM 2007 in Zurich, Swiss.

Many thanks to all contributors and speakers to our minisymposium :
Extended Splitting methods and Multit-physics and Multi-scaling problem

It was a great pleasure for me to have all the contributors in our minisymposium, about 15 speakers presented recent problems in extended splitting methods, as iterative methods, exponential splitting method, ...

We also arranged two minisymposium dinner meeting, which I found very nice and interesting to mix up with new ideas.

One of the main ideas are to start with a newsletter, which I will do now every month to present our ideas, projects, conferences and collaborations.

We also had the idea to build a FAQ-site, which should content the recent questions to the splitting methods, which can help interested researchers to understand our main ideas and problems. The idea is to link to each member of the group with the specialised splitting method.

Further we decide to have the new annual conference in Venice next year 2008, see the point 5.).

I was also thinking to found a prize for a best recent paper, or conference lecture to honourise the encouraged and most successful contributors in our group.

Maybe one could think to have a membership to our group, about 50 \$ per year, for prizes and stipendiums to good students.

Please let me know your opinion.

All our lectures at ICIAM07 will be recently on my web-page :

<http://www.mathematik.hu-berlin.de/~geiser/splitting.html>

ad. 2.) Projects and Publications

a.) Special Issue :

Recently Prof. Qin Sheng and Prof. A. Khaliq published our first special issue to our splitting group :

Splitting methods for Differential Equations,

Guest editors : Qin Sheng, AbdulQ.M. Khalig

International Journal of Computer Mathematics, Volume 84 (6), 2007.

Many thanks to Prof. Sheng and Prof. Khalik for their fruitful work and the very interesting selected papers.

b.) Papers :

J.Geiser,
Iterative Operator-splitting methods with higher order time integration methods and applications for parabolic partial differential equations, CAM, Elsevier, accepted, (2007).

Please let me know your publications on your projects, so I could submit it next month.
We hope for the future that such project go on.

ad. 3.) FAQ's

Here each member of our splitting group should think about the questions a beginner might have to understand the splitting methods. This questions should be presented on each member web-page.

We will link to the special web-page.

Please send the contributions of your web-page to :

geiser@mathematik.hu-berlin.de

or

Qin_Sheng@baylor.edu

the idea is to get a expert-data base on our splitting projects.

I will do the web-site for the iterative splitting methods on :

<http://www.mathematik.hu-berlin.de/~geiser/splitting.html>

ad. 4.) New Papers and new special issues

Special issues

Qin Sheng and Johnny Henderson :
Title: Novel Difference and Hyprod Methods for Differential and Integro-Differential Equations and Applications,
to be published in Neural, Parallel, and Scientific Computations (NPSC),
Deadline January 31, 2008.

Juergen Geiser and Roland Glowinski:
Title : Operator Splitting methods and ADI methods,
to be published in Springer (Texts and monographs in physics, edited by W. Beiglboeck),
Deadline April 30, 2008.

ad. 5.) Announcennts for further conferences

Our annully conference will be in Venice :

Eccomas 2008, Venice, Italy

<http://www.iacm-eccomascongress2008.org/frontal/>

See also the attached invitation.

The next newsletter will be send in the last August week.

If some new project or news for workshops, conferences might be important, please feel free to mail me or Prof. Sheng, that we can announce it immediately or in the next newsletter.

Many thanks for your collaborations and next projects.

Best regards,

Juergen Geiser

P.S. Let me know your ideas and further comments, also your news to the newsletter August 2007.

Please circulate the newsletter to your colleague or interested researchers to our projects.

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