

**SMAI is launching a new journal...**

## **SMAI Journal of Computational Mathematics**

- ▶ the focus is **Scientific Computing**,
- ▶ **free for authors and readers**,
- ▶ electronic journal published by CEDRAM (a CNRS service)
- ▶ with a “traditional” review process.

**Why ? An attempt to change the course of fate**

**EMS Meeting, April 12th 2014, G. Allaire and Th. Goudon**

**Why yet another journal ?  
What is SMAI's motivation ?  
The price of journals, the predator behavior of  
publishers.**

One example: the math department of Nice University : roughly  
100 subscriptions,

110 KE in 2013, 118 KE in 2014 (excluding  
taxes)

Top-Cost: J. Comp. Phys., J. Algebra  $\geq$  6500 E/year (Elsevier)  
Archiv. Rat. Mech. Anal.  $\geq$  3000 E/year (Springer)

Price (USD) per page of some journals:

Annals 0.10; SIAP 0.27; JAMS 0.24,

Adv. Math. 0.44, J. Algebra 0.6. J. Number Theory 1.05!

## Toward (**Gold**) Open Access

Elsevier: *Articles are freely available to both subscribers and the wider public with permitted reuse. Articles are made available to subscribers as well as developing countries and patient groups through our access programs. An Open Access publication fee is payable by authors or their research funder. The publication fee for this journal is **USD 2200**, excluding taxes.*

Springer: *Open Choice involves an open access publication fee of **USD 3000** (excl. VAT).*

AMS: *The Article Processing Charges are Proc. AMS **USD 1500**  
Trans. AMS **USD 2750***

## The present situation at SMAI

- ▶ SMAI journals:
  - ▶ ESAIM-M2AN: modelling and numerical analysis
  - ▶ ESAIM-COCV: control, optimization and calculus of variations
  - ▶ ESAIM-PS: probability and statistics
  - ▶ ESAIM-ProcS: Proceedings and Surveys
  - ▶ RAIRO-RO: operation research
  - ▶ MathS In Action: pluridisciplinary research
- ▶ SMAI is not a publisher but just a scientific editor.
- ▶ SMAI don't even own the titles M2AN and RO.
- ▶ The publisher of SMAI's journal is EDP Sciences (a property of SFP, SFC and (for less than 1% !) SMAI).
- ▶ There have been attempts by (big) commercial publishers to buy EDP Sciences.

# Prices of journals, behavior of publishers

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## A demand

- ▶ **Our community is choked by those prices :**  
“We are doing everything” (writing, refereeing, LaTeXing,...)  
and thus “There is not much added value by the publisher !”
- ▶ **Our community is asking for more commitment by the institutions:**  
“What are doing government agencies like CNRS and learned societies ? ”
- ▶ But the community is not fully aware of the problems:  
“ I have a grant which is covering APC's so why bother” .

There are other **innovative ideas** :

- ▶ Epi-journals through HAL or Arkiv (cf. J.-P. Demailly)
- ▶ Do we really need journals ? Open Archives seen as a social network (cf. <http://www.economics-ejournal.org/>)?

## Our project: SMAI J. Comput. Math.

- ▶ Examples : Elect. J. Proba./Elect. Comm. Proba, Journal de l'Ecole Polytechnique
- ▶ Based on a **commitment and financial support** of French institutions as SMAI, CNRS, INRIA, possibly SMF...
- ▶ “Traditional” management:  
electronic journal, published by **CEDRAM** (Annales de l'Institut Fourier, Annales de la facult des sciences de Toulouse, JEP, Confluentes Mathematici, Journal de thorie des nombres de Bordeaux...),  
allowing to post a copy on Open Archives, on web pages....  
standard process “editor in charge/anonymous referees”
- ▶ **It is free for authors and readers!**
- ▶ Expected start: end of 2014, early 2015. Check out:

<https://ojs.math.cnrs.fr/index.php/rdm-SC>

## It's free but who pays?



- ▶ ArXiv: annual budget  $> 800\,000$  USD!  
Each submission costs roughly 7 USD, each download 1,5 cents.
- ▶ Support of CEDRAM (UMS CNRS-Univ. J. Fourier)
- ▶ Web site and editorial manager: OJS, Mathrice (cf. JEP)
- ▶ Editorial secretary: Inria Sophia, SMAI
- ▶ Managing editor (copyediting LaTeX 10EUR/page + ensuring a smooth process) ?