

Community driven Services versus Quality-Criteria for Open Access Services?



Community driven Services

- Input from broad community
 - Low level interface
 - No obvious limitations
 - Quality controll is requested
 - Added personal value must be given obviously
 - Visibility, impact, response, (money)
 - Community value as coherent action of its members
 - More contructive than descructive players?

Let's test our community!

- PhysNet GIS-services (geographical information services)
 - Will users add information?
 - Will users destroy information?
 - Will users correct wrong information?

 - Let's start with 1,300 correct and 100 wrong values and wait for one month.
 - Result: 1,381 correct and 19 wrong values (detailed analysis of server statistics gives further information).

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PhysJobs

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Links

Services

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Welcome to **PhysNet** the worldwide
Physics Departments and Documents Network



Official [Mirrors](#) of PhysNet:

Please select one of the global Mirror-Server of PhysNet



Cooperation established

PhysNet and the **The Physics Virtual Library** are closely cooperating to present the **PhysTopics** service.

PhysTopics

You are searching for Colleagues or Institutions working on your own or any other field of Physics?

PhysTopics offers an overview of Institutions, Working Groups, Journals, online Resources etc. sorted by their field of Physics activity.

PhysNet Ontology

PhysNet has been reimplemented to a semantic RDF database. Additional information about institutions provided is linked with the **f** buttons in the lists.

PhysNet

Physics Departments Worldwide

Goto ...

PhysDep

PhysDep - Physics Departments Worldwide - offers lists of links to worldwide distributed physics institutions, such as institutes and departments at universities, ordered by continent, country and town.

PhysDoc

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Education

Click on the map →

or select a country
in the list below

Links

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→ [Africa](#) (36) → [Australia and Oceania](#) (56) → [North America](#) (522)
→ [Asia](#) (312) → [Europe](#) (726) → [South America](#) (97)

→ Albania (1)	→ Croatia (7)	→ Iran (11)	→ Mozambique (1)	→ South Africa (16)
→ Algeria (1)	→ Cuba (1)	→ Ireland (12)	→ Namibia (1)	→ Spain (39)
→ Argentina (14)	→ Cyprus (1)	→ Israel (7)	→ Nepal (2)	→ Sri Lanka (6)
→ Armenia (3)	→ Czech Republic (13)	→ Italy (81)	→ Netherlands (19)	→ Sweden (21)
→ Australia (45)	→ Denmark (15)	→ Jamaica (1)	→ New Zealand (8)	→ Switzerland (14)
→ Austria (15)	→ Ecuador (4)	→ Japan (44)	→ Norway (5)	→ Taiwan (15)
→ Bangladesh (2)	→ Egypt (7)	→ Jordan (2)	→ Pakistan (15)	→ Tanzania (1)
→ Barbados (1)	→ El Salvador (1)	→ Kazakhstan (1)	→ Palestine (2)	→ Thailand (9)

French Physics Departments, Institutes and Societies

Please scroll down to browse through the list of Physics Institutions in France or use the search engine to search for information on WWW-Servers of the listed Institutions.

Search for information on Physics Departments' servers

Examples:

einstein - to find sites about "Einstein" and "Albert Einstein" and "Einstein, Albert"

albert AND einstein - to find sites about "Albert Einstein" and "Einstein, Albert"

albert einstein - to find sites about "Albert Einstein"

[top ↑](#)

[French Biophysical Society \(FBS\)](#)

[French Physical Society \(SFP\)](#)

Angers

[Université d'Angers](#)

[Department de Physique](#)

[Laboratoire des Cordes Irradiées](#)
[Le Laboratoire pour l'Utilisation des Lasers Intenses \[French\]](#)

Paris

- [Bureau International des Poids et Mesures \(BIPM\) \[French\]](#)
- [Centre National de la Recherche Scientifique \(CNRS\)
 - \[Institut National de Physique Nucléaire et de Physique des Particules \\(IN2P3\\)\]\(#\)](#)
- [Institut National des Sciences de l'Univers \(INSU\)](#)
- [Institut d'Astrophysique de Paris \[French\]](#)
- [Institut de Minéralogie et de Physique des Milieux Condensés \(IMPC\)](#)
- [Institut national de physique nucléaire et de physique des particules \(IN2P3\)](#)
- [Institute de Mécanique Céleste et de Calcul des Éphémérides](#)
- [Laboratoire Inter-Universitaire des Systèmes Atmosphériques \(LISA\)](#)
- [Observatoire de Paris \[French\]](#)
- [Rene Descartes Université
 - \[UFR biomédicale\]\(#\)](#)
- [Université P. et M. Curie et D. Diderot \(Paris VI and Paris VII\)
 - \[Astroparticule et Cosmologie\]\(#\)
 - \[Laboratoire Universe & Theories \\[French\\]\]\(#\)
 - \[Laboratoire de Modélisation en Mécanique\]\(#\)
 - \[Laboratoire de Physique Théorique des Liquides \\[French\\]\]\(#\)
 - \[Laboratoire de Physique Théorique et Hautes Energies\]\(#\)](#)
- [École Normale Supérieure Département de physique
 - \[Laboratoire Kastler Brossel \\[French\\]\]\(#\)
 - \[Laboratoire Ondes et Acoustique \\[French\\]\]\(#\)
 - \[Laboratoire de Physique Statistique\]\(#\)
 - \[Physique et Mécanique des Milieux Hétérogènes \\[French\\]\]\(#\)](#)
- [École des Mines de Paris
 - \[Centre d'Energetique\]\(#\)](#)

Perpignan

- [Institut de Science et de Génie des Matériaux et Procédés \(IMP-CNRS\) \[French\]](#)

[Laboratoire des Cordes Irradiées](#)
[Le Laboratoire pour l'Utilisation des Lasers Intenses \[French\]](#)

Paris

[Bureau International des Poids et Mesures \(BIPM\) \[French\]](#)

[Centre National de la Recherche Scientifique \(CNRS\)](#)

[Institut National de Physique Nucléaire \(INPN\)](#) http://www.physnet.de/PhysNet/content/lists/rdfoutput/details/physnet_10934...

[Institut National de Physique Nucléaire \(INPN\)](#)

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École Normale Supérieure Département de physique

Standort Paris, France

Kontakt

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F-75005 Paris
FRANCE

Telefon
+33 1 44 32 33 59

Telefax
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E-Mail
secretariat@physique.ens.fr

Koordinaten

Geo. Breite (D:M:S) 048° 51' 24.12" N
Geo. Länge (D:M:S) 002° 21' 3.6" E
[MultiMap](#) [GoogleMap](#) [\[bearbeiten\]](#)

Benachbarte Institutionen

- [Laser shock adhesion test \(5 km\)](#)
- [École Supérieure Normale Supérieure de Cachan](#)

Fertig Internet

[Laboratoire des Cordes Invisibles](#)
[Le Laboratoire pour l'Utilisation des Lasers Intenses \[French\]](#)

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- [École Supérieure Normale Supérieure de Cachan](#)
 - [Laboratoire de Mécanique et Technologie \(7 km\)](#)
 - [Laboratoire de Photonique Quantique et Moléculaire \(7 km\)](#)
- [Laboratoire d'Ingénierie des Matériaux et des Hautes Pressions \(11 km\)](#)
- [École Polytechnique](#)
 - [Centre de Physique Théorique de l'École Polytechnique \(19 km\)](#)
 - [Laboratoire d'Optique Appliquée \(19 km\)](#)
 - [Le Laboratoire pour l'Utilisation des Lasers Intenses \(19 km\)](#)
- [Université de Versailles/Saint-Quentin](#)
 - [Centre d'Etude des Environnements Terrestre et Planétaires \(19 km\)](#)
 - [Laboratoire de Magnétisme et d'Optique de Versailles \(25 km\)](#)
- [Faculté des sciences d'Orsay \(Université Paris Sud 11\) \(25 km\)](#)

Forschungsgebiete (PACS 2003) [bearbeiten]

http://www.spectro.jussieu.fr/index_Eng.html

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Internet

[Laboratoire des Cordes Invisibles](#) [French]
[Le Laboratoire pour l'Utilisation des Lasers Intenses](#) [French]

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Benachbarte Institutionen

[Laser shock adhesion test \(5 km\)](#)

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[10 market st. san francisco](#)

Find a business

[hotels near lax](#)

[pizza](#)

Get directions

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[seattle to 98109](#)

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Business Owners: [Add/Edit Your Business](#)



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GIS-Services

- Get Maps (google-map or multimap)
- Everyone can edit every location
 - Limitation: Centres of the cities are known
 - Institution must be within 30 km radius from city
- Get nearest neighbours, independent of country borders
- To be serious: This is only a game, but Physicists like to play it (usage statistics)

Let's become more serious!

- Research topics (PhysTopics)
- List of Institutions by PACS (topic of research)
- Again, every user may edit every entry
 - Limitation: Every user may only edit 10 entries every day.
 - Remember: We found to have constructive and cooperative, professional users
- Enrich with information from other services
- Open-Access Journals and Repositories?

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PhysTopics

PhysTopics bietet einen fachspezifischen Zugang (sortiert nach den Klassen von [PACS2003](#)) zu den Arbeitsgebieten der Physik. **PhysTopics** bietet Links auf Fachgesellschaften, Institutionen, Arbeitsgruppen (teilweise einzelnen Wissenschaftlern) und Zeitschriften.

Sie vermissen Ihre eigene Arbeitsgruppe in diesem Dienst? Dann helfen Sie uns bitte, diese korrekt einem oder mehreren Fachgebieten zuzuordnen: Suchen Sie Ihre Institution im PhysDep Dienst (sollte diese dort noch nicht gelistet sein, nutzen Sie einfach den Upload-Dienst), klicken Sie auf den [+](#)-Button zu Ihrer Institution, es öffnet sich ein neues Fenster mit Detail-Informationen, hier finden Sie u.a. das Feld "Forschungsgebiete (PACS 2003)" und einen "bearbeiten"-Link. Wenn Sie diesen Link klicken, erhalten Sie ein Werkzeug, um selbst die Fachzuordnung vorzunehmen.

[←back](#) [top↑](#)

Physics Departments and Journals classified according to [PACS 2003](#)

[00. GENERAL](#)[10. THE PHYSICS OF ELEMENTARY PARTICLES AND FIELDS](#)[20. NUCLEAR PHYSICS](#)[30. ATOMIC AND MOLECULAR PHYSICS](#)[40. ELECTROMAGNETISM, OPTICS, ACOUSTICS, HEAT TRANSFER, CLASSICAL MECHANICS, AND FLUID DYNAMICS](#)

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PhysTopics

PhysDep

PhysTopics bietet einen fachspezifischen Zugang (sortiert nach den Klassen von [PACS2003](#)) zu den Arbeitsgebieten der
[Neutron Scattering](#) [VVED](#) [Neutron Scattering Software](#)

61.30.-v Liquid crystals

[Liquid Crystal Group](#) (Technische Universität Berlin, Berlin, Germany)

Links von [ViFaPhys](#):

[Liquid Crystal Database](#)

61.46.+w Structure of nanoscale materials: clusters, nanoparticles, nanotubes, and nanocrystals

[Cluster Research Group](#) (University of Hawaii, Honolulu, Hawaii, United States of America)

[Cluster and Nanocrystal Research Group](#) (Technische Universität Berlin, Berlin, Germany)

[Cluster and Nanocrystal Research Group](#)

[Dr. W. Leo Meerts](#) (University of Nijmegen, Nijmegen, Netherlands)

[Institut de Physique des Nanostructures](#) (Ecole polytechnique federale de Lausanne, Lausanne, Switzerland)

[Nanoscale Physics Research Laboratory](#) (University of Birmingham, Birmingham, United Kingdom)

[Nanoscale Science Department](#) (Max Planck Institute for Solid State Research, Stuttgart, Germany)

[Nanostructure Physics](#) (Universität Hamburg, Hamburg, Germany)

[Whaley Group](#) (UC Berkeley, Berkeley, California, United States of America)

62. Mechanical and acoustical properties of condensed matter

Links von [ViFaPhys](#):

[Aktuelle Literatur aus dem Bestand der TIB : Mechanische Eigenschaften, akustische Eigenschaften, thermische](#)

[Fachzeitschriften Physik : Festkörperphysik](#)

[U.C. Berkeley Physics Lecture Demonstrations : Properties of Heat and Matter](#)

62.25.+g Mechanical properties of nanoscale materials

[Materials Research Department](#) (Risø National Laboratory, Roskilde, Denmark)



Subject

Category

Search

U.C. Berkeley Physics Lecture Demonstrations : Properties of Heat and Matter

www.mip.berkeley.edu/physics/bookcdx.html [HTML, GIF]

Description: The Physics Lecture Demonstration site presented by the Physics Department of the University of California at Berkeley provides valuable information for preparing and performing undergraduate lecture demonstrations. This part of the site offers an extensive collection of experiments demonstrating properties of heat and matter.

Author: Physics Department, University of California, Berkeley, Calif.

Publisher: Physics Department, University of California, Berkeley, Calif.

Classification: **PACS2003** 05. Statistical physics, thermodynamics, and nonlinear dynamical systems
PACS2003 47. Fluid dynamics
PACS2003 61. Structure of solids and liquids; crystallography
PACS2003 62. Mechanical and acoustical properties of condensed matter

Category: Educational Materials

Language: English

Is Part Of: www.mip.berkeley.edu

Access: free

Rights:

Date: 2004-09-20

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Internet

Links von ViFaPhys:

- [Aktuelle Literatur aus dem Bestand der TIB : Mechanische Eigenschaften, akustische Eigenschaften, thermische](#)
- [Fachzeitschriften Physik : Festkörperphysik](#)
- [U.C. Berkeley Physics Lecture Demonstrations : Properties of Heat and Matter](#)

62.25.+g Mechanical properties of nanoscale materials

- [Materials Research Department](#) (Risø National Laboratory, Roskilde, Denmark)

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Internet

Collection of Information

- OAI-PMH gives a standardized protocol for harvesting and exchange of information.
- What's about Open-Access Publications?
 - Quality-control is requested!
 - Objective criteria for selection of repositories is requested:
 - DINI certificate for document- and publication services, can be such a criteria...

DINI certificate: criteria

1. Visibility
2. Policy
3. Support for authors
4. Legal aspects
5. Integrity and authenticity
6. Subject cataloguing
7. Usage-statistics
8. Long-term preservation

<http://nbn-resolving.de/urn:nbn:de:kobv:11-10068508>

Subject journals

- Why split journals into their articles?
- (Virtual) journals could be generated:
- GAPworks software gives all the back-office techniques requested

<http://gapworks.berlios.de/>

Questions?

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