

Verteilte und zentrale Konzepte von PhysNet

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Überblick

- Was ist PhysNet?
 - Oberfläche
 - Prinzipien
 - Organisation
 - Historie
 - Netzwerk
- Beispiele
- Zusammenfassung

Was ist PhysNet? Oberfläche

PhysNet

the physics departments and documents network

[about PhysNet](#) | [the PhysNet-crew](#) | [how to contribute?](#) | [statistics](#) | [what's new?](#)

PhysNet

PhysDep

PhysDoc

PhysTopics

Journals

Conferences

PhysJobs

Education

Links

Services

Upload Form

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



www.physnet.net

Official [Mirrors](#) of PhysNet:

Please select one of the global Mirror-Server of PhysNet

New! 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 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 buttons
in the lists.

FAQ Open Access**PhysNet** offers detailed

Internet

Was ist PhysNet? Prinzipien

- Charter:
 - PhysNet is a **not-for-profit activity of active physicists** and their organisations, to serve research, teaching and the public with professional physics information.
 - **Active contribution** of information, services and their organization **is open** to any individual scientist, institution, or physical society.
 - Active contributions of physicists or their organization are **voluntary, financing their own part** by their own sources.
 - The **responsibility for the correctness**, professional quality, timeliness, integrity, and physics content lies with the individual contributors.

Was ist PhysNet? Prinzipien

- Charter:
 - The co-ordination bodies are responsible for the co-ordination, checking and **usage of international standards** of individual services.
 - The organization of PhysNet is such that each active participant, institution, or society has the **same balanced rights** for its tasks.
 - The set of services and its organisation is **distributed, among the information providers**.
 - Information offered by PhysNet is **free to access** for anyone.

Was ist PhysNet? Prinzipien

- Charter:
 - The international physics organizations are to organize and watch over the **freedom of information**, the **use of international standards**, and the **unbiased balance of national interests**. The **distributed organization** is assumed by national societies, individual members, and service providers.
 - Software written for PhysNet is **free to be used** by any Physicist, Physics Institution, or Society for the improvement of their information and services to PhysNet.

Was ist PhysNet? Organisation

- Nutzersicht: www.physnet.net als zentraler Zugang, leitet jeweils auf vermutlich nächsten aktuellen Mirror-Server weiter.
- Redundanz: Fast alle Spiegel haben Domains der Form cc.physnet.net (cc = Country Code), also fr.physnet.net oder ru.physnet.net etc., so dass User ggf. einen Mirrorserver „erraten“ können.
- 1 Hauptserver und 13 Spiegel (Mirrors)
- Content-Editoren: z.Zt. 14 Editoren

Was ist PhysNet? Historie

- Beginn als Link-Liste in einem BMBF-Vorhaben 1994 (deutsche Physik-Fachbereiche mit HTTP-Servern ausrüsten)
- Seit 1996 unter der Schirmherrschaft der EPS
- Dauerhaft mit ein bis zwei Studenten betrieben, impulsweise Entwicklungs- und Netzwerk-Projekte:

Was ist PhysNet? Historie

- 1997 – 1999 DFN-Projekt „eprint“ (das wohl erste Open-Access Projekt Deutschlands), Aufbau der verteilten Suchmaschinen-Infrastruktur
- 1999 – 2002 BMBF Global-Info Projekt „CARMEN“, Anreicherung der Suche mit fachspezifischen Metadaten, fachübergreifende Vernetzung
- 2001 – 2003 DFN-Projekt „SINN“ Netzwerk von Administratoren und redundanter Aufbau des Portals
- 2001 – 2005 DFG/NSF-Projekt „OAD“ Anreicherung der Suche nach Self-archived OA-Dokumenten mit denen in Institutional OA Repositories

Was ist PhysNet? Netzwerk

- Verteilte Datenpflege (Informationen von über fast alle Physik-relevanten Institutionen weltweit) kann nur lokal erfolgen
 - Netzwerke von Administratoren essentiell
 - Technische Entwicklung ist der Motor
 - Jährlich ein Workshop der Administratoren hält das „Team“ zusammen.
 - Hauptproblem: Sponsoren für die Reisekosten zu finden, denn PhysNet ist ein weltweiter Dienst...

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Institute for Science Networking, Oldenburg, Germany
Slovak Academy of Sciences, Bratislava, Slovakia
Virginia Tech, USA
University of Bayreuth, Germany
eprints.org, UK
Russian Academy of Science, Chernogolovka, Russia
CCSD-CNRS, Lyon, France
Institute for Plasma Research, Gujarat, India
Polish Physical Society, Warsaw, Poland
ftw. Forschungszentrum Telekommunikation Wien, Austria
Institute of Physics, Praha, Czech Republic
KFKI Research Institute for Particle and Nuclear Physics, Budapest, Hungary
Istituto di Biofisica, Palermo, Italy
Université de Haute Alsace - UHA, Mulhouse-Colmar, France

Please select one of the global Mirror-Server of PhysNet

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Physics Departments Worldwide

Goto ...

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.

Click on the map →
or select a country
in the list below



→ [Africa](#) (35) → [Australia and Oceania](#) (36) → [North America](#) (517)
→ [Asia](#) (297) → [Europe](#) (666) → [South America](#) (97)

→ Albania (1)	→ Croatia (7)	→ Iran (9)	→ Namibia (1)	→ Spain (40)
→ Algeria (1)	→ Cuba (1)	→ Ireland (12)	→ Nepal (1)	→ Sri Lanka (6)
→ Argentina (14)	→ Cyprus (1)	→ Israel (7)	→ Netherlands (19)	→ Sweden (21)
→ Armenia (3)	→ Czech Republic (13)	→ Italy (81)	→ New Zealand (6)	→ Switzerland (14)
→ Australia (27)	→ Denmark (15)	→ Jamaica (1)	→ Norway (5)	→ Taiwan (15)
→ Austria (15)	→ Ecuador (4)	→ Japan (44)	→ Pakistan (5)	→ Tanzania (1)
→ Bangladesh (2)	→ Egypt (7)	→ Jordan (2)	→ Palestine (2)	→ Thailand (9)
→ Barbados (1)	→ El Salvador (1)	→ Kazakhstan (1)	→ Panama (2)	→ Turkey (25)

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German Physics Departments

Goto ... 

Please scroll down to browse through the list of Physics Institutions in Germany 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 ↑](#)

- [Deutsche Gesellschaft für Akustik e.V. \(DEGA\)](#)
- [Deutsche Physikalische Gesellschaft \(DPG\)](#)
- [Helmholtz-Gemeinschaft](#) [[Chinese](#)] [[German](#)] [[Russian](#)]
- [Max Planck Society \(MPG\)](#) [[English](#)]

Aachen

Oldenburg

- [Carl von Ossietzky Universität](#)
 - [Institute for Chemistry and Biology of the Marine Environment](#)
 - [Physical Chemistry \[German\]](#)
 - [Physical Oceanography \(Theory\)](#)
 - [Theoretical Physics / Complex Systems](#)
 - [Institute for Physics \[English\]](#)
 - [Acoustics Group](#)
 - [Applied Optics Group](#)
 - [Condensed Matter Theory](#)
 - [Energy and Semiconductor Research Laboratory \(EHF\) \[German\]](#)
 - [Field Theory](#)
 - [Hydrodynamics and Wind Energy \[German\]](#)
 - [Marine Physics](#)
 - [Medical Physics](#)
 - [Molecular and Biophysics](#)
 - [Physics Education/History and Philosophy of Science](#)
 - [Semiconductors and Radiation Conversion](#)
 - [Signal Processing and Communications](#)
 - [Small Systems Group](#)
 - [Statistical Physics](#)
 - [Institute for Science Networking \(ISN\) \[English\]](#)

Osnabrück

- [Universität Osnabrück](#)
 - [Physics Department \[German\] \[Russian\]](#)
 - [Didaktik der Physik](#)
 - [Elektronenspektroskopie](#)
 - [Grenzflächen und dünne Schichten](#)
 - [Insulating and Molecular Nanostructures](#)
 - [Kristallzüchtung](#)

Oldenburg

- Carl von Ossietzky Universität
 - Institute for Chemistry and Physics
 - Physical Chemistry
 - Physical Oceanography
 - Theoretical Physics
 - Institute for Physics [English]
 - Acoustics Group
 - Applied Optics Group
 - Condensed Matter Theory
 - Energy and Semiconductor Physics
 - Field Theory
 - Hydrodynamics and Fluids
 - Marine Physics
 - Medical Physics
 - Molecular and Biophysical Chemistry
 - Physics Education/History of Physics
 - Semiconductors and Nanotechnology
 - Signal Processing and Optics
 - Small Systems Group
 - Statistical Physics
 - Institute for Science Networks

Osnabrück

- Universität Osnabrück
 - Physics Department [German]
 - Didaktik der Physik
 - Elektronenspektroskopie
 - Grenzflächen und dünne Schichten
 - Insulating and Molecular Crystals
 - Kristallzüchtung

http://www.physnet.de/PhysNet/content/lists/rdfoutput/details/physnet_10910...

Close Print

Field Theory / Feldtheorie

Location Oldenburg, Germany

Contact

Postal Address

Field Theory
Carl-von-Ossietzky Universität
Fakultät V
Institut für Physik
Carl-von-Ossietzky-Straße 9-11
26111 Oldenburg
GERMANY

Coordinates

Latitude (D:M:S) 053° 09' 80" N
Longitude (D:M:S) 008° 10' 0" E
[MultiMap](#) [GoogleMap](#) [\[edit\]](#)

Research Topics (PACS 2003) [\[edit\]](#)

97.60.Lf Black holes

Homepage

English

<http://www.physik.uni-oldenburg.de/fttheorie/>

Department of Physics and Astronomy

Location Chapel Hill, North Carolina, United States of America

Contact

Postal Address
Department of Physics and Astronomy
Phillips Hall, CB #3255
NC 27599-3255 Chapel Hill, North Carolina
UNITED STATES OF AMERICA

Phone
+919 962 2078

Fax +919 962 0480

E-Mail
dept@physics.unc.edu

Coordinates

Latitude (D:M:S) 035° 54' 38.5488" N
Longitude (D:M:S) 079° 03' 9.03599999996" W
[MultiMap](#) [GoogleMap](#) [\[edit\]](#)

Research Topics (PACS 2003) [\[edit\]](#)

none specified

Homepage

- North Carolina (NC)**
- Asheville**
 - University of North Carolina (
 - UNC Asheville
 - Department of P
 - Boone**
 - Appalachian State University
 - Physics Department
 - Chapel Hill**
 - University of North Carolina (
 - UNC Chapel Hill
 - Department of P
 - Charlotte**
 - University of North Carolina (
 - UNC Charlotte
 - Department of P
 - Cullowhee**
 - Western Carolina University
 - Department of Chemis

Multimap und Google Map ..

The screenshot shows the Multimap website interface. At the top, there are navigation links: MAPS, DIRECTIONS, AERIAL PHOTOS, BUSINESS SERVICES, ABOUT US, SITEMAP, and HELP. Below this is a search bar with a dropdown menu for 'Country' set to 'United States'. The main map area displays a street map of Chapel Hill, North Carolina, with a red circle highlighting a specific location. To the right of the map, there are several panels: 'LOCAL INFORMATION' with a dropdown for 'Hotels', 'OFFERS' with a 'Find a Hotel' button, and 'Hotel Deals' with various search options. The bottom of the page features a 'Fertig' button.

SEARCH

Country: United States

Street:

Town:

State: - select state -

ZIP code:

Find

OVERVIEW

United States

BOOK IN THIS AREA

- Flights
- Local Hotels

SPECIAL FEATURES

- Full Address Search
- Aerial Photos

Fertig

„Die neue Generation der privaten Krankenversicherung“

0 € Praxisgebühr

gratis Angebot anfordern

Map of United States

Zoom Scale 1:25,000 Print Link Aerial Book hotels Smaller Help

Chapel Hill

Kenan Stadium

Chapel Creek

LOCAL INFORMATION

Pick or type a category: Hotels

hotels

OFFERS

Find a Hotel

Sort Hotels by Price, Distance & Star Rating. Book Packages & More!

Hotel Deals

SideStep Searches Dozens of Sites at Once for Special Hotel Discounts

Hotels

Great Deals on Hotel at CheapTickets® Travel Made Simple

Save on Hotels at Expedia

Google Local

Web Images Groups News Froogle Local more »

35.910708, -79.05251

Search

Search the map Find businesses Get Directions

e.g., "hotels near lax" or "10 market st, san francisco"

Local

Print Email Link to this page

Map Satellite Hybrid

35.910708, -79.052510

+35° 54' 38.55", -79° 3' 9.04"

Make this my default location

Directions: [To here](#) - [From here](#)

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Mehrwert und sein Preis

- Fachklassifikation von Arbeitsgruppen erlaubt inhaltliche Clusterbildung von Wissenschaftlern und Ressourcen
- Portal als Mehrwert-Dienst verstehen und betreiben
- Kontinuität in
 - Betrieb
 - Weiterentwicklung

Besten Dank für Ihre Aufmerksamkeit!