

Accounts

at TU Darmstadt

Online Participants



d120.de/questions

HRZ & ISP

- **Hochschulrechenzentrum**
 - HRZ for short
 - University-wide services (Wi-Fi, VPN, ...)
- **Infrastruktur und studentischer Poolservice**
 - ISP for short
 - Formerly known as Rechnerbetriebsgruppe (RBG)
 - Department-specific services (Pools, SSH, ...)

Accounts

- Two Accounts for every computer science student
 - HRZ and ISP
- Same username
 - TU-ID (Schema xy42j uhu)
- But different passwords
- For a more-or-less complete guide, visit d120.de/acc-en

Email

- Two Email addresses per student
- HRZ Email:
 - vorname.nachname@stud.tu-darmstadt.de
- ISP Email: (still uses RBG Domain)
 - TU-ID@rbg.informatik.tu-darmstadt.de
- Retrieval: see guide at d120.de/acc-en

Wi-Fi

- **eduroam**
- WPA2-Enterprise Authentication
- HRZ login credentials
- Works internationally at cooperating institutions
- See also: d120.de/opphase



VPN

IEEE.org | IEEE Xplore | IEEE SA | IEEE Spectrum | More Sites | SUBSCRIBE | Cart | Create Account | Personal Sign In

Sign In | Purchase | Subscribe

Full text access may be available ?

To access full text, please use your institutional or member sign in.

Access Through Your Institution

OR

Sign in with Username and Password

Standards

754-2019 - IEEE Standard for Floating-Point Arithmetic

Publisher: IEEE

Revision of IEEE Std 754-2008

Status: Active - Approved

46 Paper Citations

7825 Full Text Views

Abstract

Abstract:

This standard specifies interchange and arithmetic formats and methods for binary and decimal floating-point arithmetic in computer programming environments. This standard specifies exception conditions and their default handling. An implementation of a floating-point system conforming to this standard may be realized entirely in software, entirely in hardware, or in any combination of software and hardware. Operations specified in the normative part of this standard may be realized entirely in software, entirely in hardware, or in any combination of software and hardware. Numerical results and exceptions are uniquely determined by the standard.

754-2019 - IEEE Standard for Floating-Point Arithmetic - Redline

IEEE Std 754-2019 (Revision of IEEE Std 754-2008) - Redline

Published: 2020

VPN OFF

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All

ADVANCED SEARCH

Standards

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IEEE Std 754-2019 (Revision of IEEE Std 754-2008) - Redline

Published: 2020

More Like This

60559-2020 - ISO/IEC/IEEE International Standard - Floating-point arithmetic

ISO/IEC 60559:2020(E) IEEE Std 754-2019

Published: 2020

754-2019 - IEEE Standard for Floating-Point Arithmetic - Redline

IEEE Std 754-2019 (Revision of IEEE Std 754-2008) - Redline

VPN ON

VPN

- **Virtual Private Network**
 - Enables routing traffic via the university
 - Useful as some sites are only available from inside the university (ULB, ...)
- Two profiles:
 - **campus**: route all traffic through the VPN
 - **extern**: route only university-internal traffic through the VPN
- Setup guide at <https://www.hrz.tu-darmstadt.de/vpn>

Athena Card

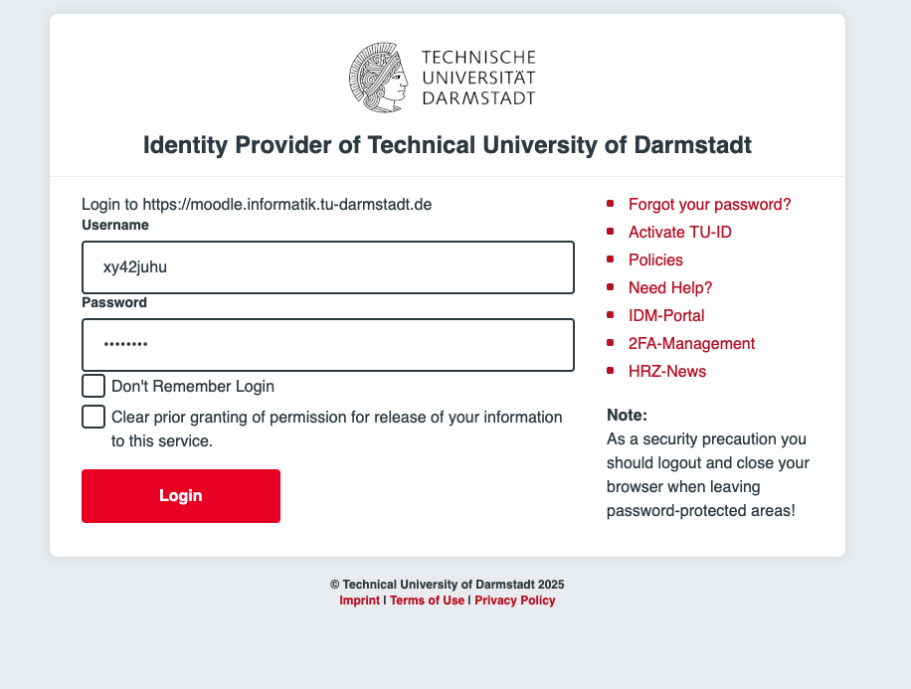
- Used for
 - Cashless payment in the canteens and bistros
 - ID for ULB
- Top up
 - With cash or bank card at the machines in the canteen
 - With bank card at the ULB
- Application guide:

<https://www.hrz.tu-darmstadt.de/id/athenekarte>



SSO (Single Sign-on)

- Central login facility for university services



The screenshot shows the login interface for the Identity Provider of the Technical University of Darmstadt. At the top, the university's logo and name are displayed. Below this, the title 'Identity Provider of Technical University of Darmstadt' is centered. The login form includes a URL 'Login to https://moodle.informatik.tu-darmstadt.de', a 'Username' field with the value 'xy42juhu', and a 'Password' field with masked characters. There are two checkboxes: 'Don't Remember Login' and 'Clear prior granting of permission for release of your information to this service.' A red 'Login' button is positioned below the password field. To the right of the form, a list of links in red text includes 'Forgot your password?', 'Activate TU-ID', 'Policies', 'Need Help?', 'IDM-Portal', '2FA-Management', and 'HRZ-News'. A 'Note' section advises users to log out and close their browser when leaving password-protected areas. At the bottom, a copyright notice for 2025 and links for 'Imprint', 'Terms of Use', and 'Privacy Policy' are visible.

TECHNISCHE
UNIVERSITÄT
DARMSTADT

Identity Provider of Technical University of Darmstadt

Login to <https://moodle.informatik.tu-darmstadt.de>

Username

xy42juhu

Password

.....

☐ Don't Remember Login

☐ Clear prior granting of permission for release of your information to this service.

Login

- [Forgot your password?](#)
- [Activate TU-ID](#)
- [Policies](#)
- [Need Help?](#)
- [IDM-Portal](#)
- [2FA-Management](#)
- [HRZ-News](#)

Note:
As a security precaution you should logout and close your browser when leaving password-protected areas!

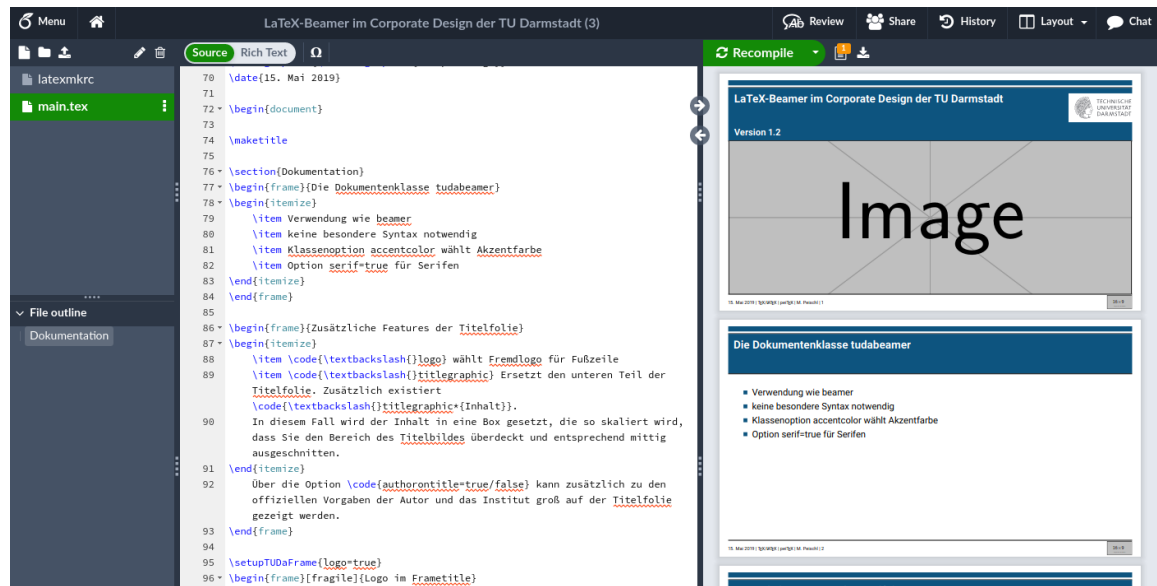
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[Imprint](#) | [Terms of Use](#) | [Privacy Policy](#)

Further services

at TU Darmstadt

ShareLaTeX

- Online collaborative LaTeX editor
- <https://sharelatex.tu-darmstadt.de/>





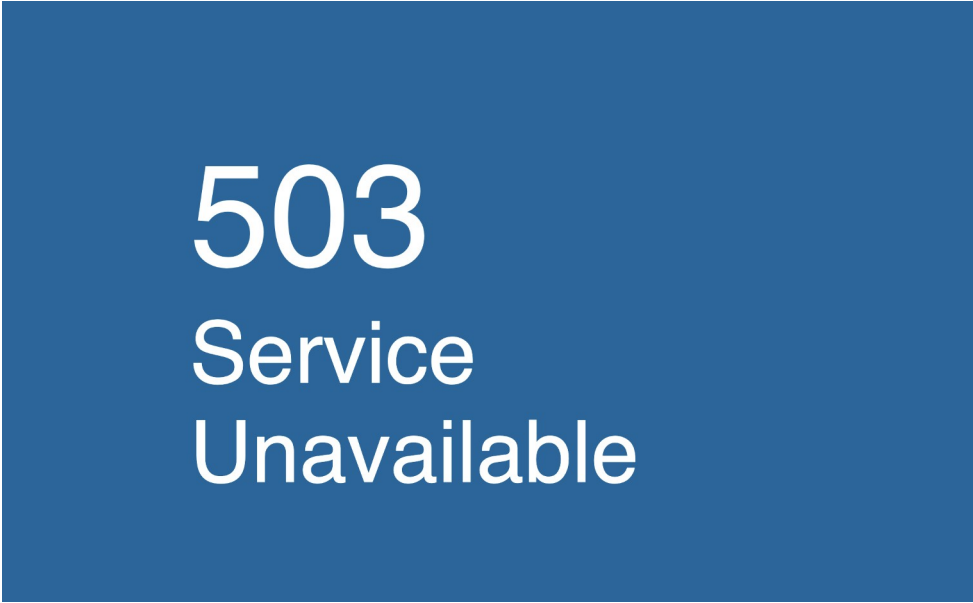
- Version control system with support for issues and merge requests
- Hosted by RWTH Aachen

The screenshot displays the GitLab web interface for the 'Kameraortungswagen' project. The top navigation bar includes a search bar and user profile. The left sidebar lists various project features: Project information, Repository, Issues (26), Merge requests (0), CI/CD, Deployments, Packages and registries, Monitor, Analytics, Wiki, and Snippets. The main content area shows the project name 'Kameraortungswagen' with its ID (78053) and a 'Request Access' button. Below this, statistics for 171 Commits, 3 Branches, 2 Tags, 12.1 MB Project Storage, and 2 Releases are shown. A commit history table is visible, listing recent changes.

Name	Last commit	Last update
board	Changed license text in headers	2 days ago
protocol	Updated protocol text & docker port ser...	1 week ago
server	Changed license text in headers	2 days ago
signal_generator	Added signal generator code	3 months ago
LICENSE	Add LICENSE	2 days ago

next.Hessenbox

- Nextcloud instance with 30 GB of free storage
- Built-in features for sharing with other TUDa members



503
Service
Unavailable

Additional HRZ services

- TUCaN, TU-Moodle, Lichtenberg clusters, ...
 - Microsoft Office 365 *CoPiLOt AI*
 - zoom
 - Computer pools running Windows
 - Rental services
-
- see also <https://www.hrz.tu-darmstadt.de/>

Facilities

at the Computer Science department

C-Pool

- Computer pool in C0-area of Piloty building with 100 computers
 - S2|02 C005 and C003
- Operating System: Linux Mint
- Login using ISP credentials
- 1 GB storage space per student
 - Current usage can be queried using `$ quota -s`
- No food or drinks allowed (except water)



Printers



- Printer and scanner in C-Pool
- To use, enter Athena Card number into ISP account information
- Two main possibilities:
 - a) Print on the machines in the C-Pool and authorize the print using your Athena Card
 - b) Web interface: <https://print.informatik.tu-darmstadt.de/>
- Quota: 50 pages per month
- See also: ISP Wiki → Print via PaperCut

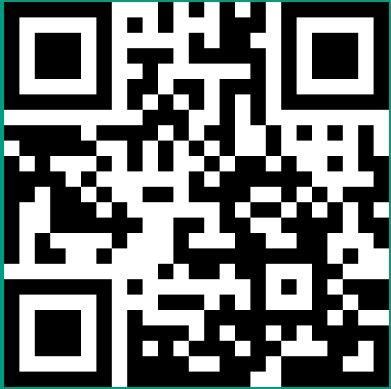
SSH

- Secure Shell (SSH)
- Remote access to machines in our department
- SSH server offered by ISP:
`clientsshX.rbg.informatik.tu-darmstadt.de`
 - where $X \in \{1, 2, 3\}$
- No password authentication, only key authentication

More information

- ISP-Support: account management
<https://support.rbg.informatik.tu-darmstadt.de/>
- ISP-Wiki
<https://support.rbg.informatik.tu-darmstadt.de/wiki/>





Questions
d120.de/questions

Thanks!