Universität Zürich
MATH & DM3L

2026/10

IT Introduction

IT Support	https://www.math.uzh.ch/support Email: support@math.uzh.ch, Y27-K30
MFA Setup	*Quick*: MS-Authenticator. *Recommended*: Password manager like KeepassXC – TOTP and / or Passkeys.
Password Manager	1) https://keepassxc.org , 2) Cloud storage: drive.math.uzh.ch, 3) Browser extension
Lecture, seminar, print- and disk-quota	www.math.uzh.ch/my
Information (IT)	https://wiki.math.uzh.ch
WLAN	https://wiki.math.uzh.ch/public/books/public-wiki/page/wireless-lan-wlan
Saving power	Please switch off light and computers at the evening. Use the **remote power switch** on your desk combination.



UZH - Accounts

ZI – Zentrale Informatik
www.zi.uzh.ch

Accounts:

Active Directory / Office365
Identity Management
WebPass

https://zi.uzh.ch/support

I-MATH & DM3L – *Services*

math.uzh.ch	Homepage I-MATH
dm3l.uzh.ch	Homepage DM3L
made.math.uzh.ch	*Intranet* I-MATH
made.dm3l.uzh.ch	*Intranet* DM3L
www.math.uzh.ch/my	Lectures / Seminars
hello.math.uzh.ch	(Video-)Chat (aka WhatsApp)
wiki.math.uzh.ch	Wiki's
tl.math.uzh.ch	Remote Desktop (thinlinc)
ssh.math.uzh.ch	SSH & SFTP
git.math.uzh.ch	Version Control
drive.math.uzh.ch	Cloud Storage
help.math.uzh.ch	**Unblock IP2**

1. **UZH**: https://it-start.uzh.ch/
   * Change PW: https://www.identity.uzh.ch/
   * MFA: https://mysignins.microsoft.com/

2. **MATH/DM3L**
   * Open Account: https://math.uzh.ch/account
   * MFA / Change PW: https://login.math.uzh.ch

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Getting started

Homepage

- Each member of the institute is mentioned on the homepage (Name, Office, Email, ...) = *personal homepage*.
- Professors & assistants have sub-pages: *events / research / vita / <custom>*.
- Lectures & seminars are assigned *automatically*.
- All other content (research, vita, ...) have to be created *manually* (by themselves) under *MADE (Intranet) > User setting (upper right corner)*
- Also an additional *private Homepage (HTML, CSS, ...)* Is possible - please ask IT for an initial setup.

Windows / Office365

- Use https://office.com login with your UZH/Institutes email address.

Private Notebook

- In general there is **no** support for private stuff – but ask ...
- WLAN: https://wiki.math.uzh.ch/public/books/public-wiki/page/wireless-lan-wlan
  - 'UZH' or 'eduroam' / Authentication: use your UZH 'email'
- Printing: https://wiki.math.uzh.ch/public/print > UZH Printplus (UPP)

Thinlinc – Remote Desktop (Ubuntu Mint / Cinnamon)

These are the terminals in the most offices.

Why should I use it, I have laptop?

- Software is preinstalled and maintained – you don't have to be your own sysadmin.
- Cloud idea: access from everywhere. Backup included.

Best Practice:

- Don't **log-out** – to pause work, press: F8 > **Disconnect**
- If you log in on a second terminal, the session will be moved from the first terminal.
  - Activate screen-lock by pressing Ctr-ALT-L
- USB Sticks connected to a Terminal (behind the screen) will automatically be mounted under **~/thindrives**.
  If not: Start 'Applications > System Tools > Clean USB Stick Umount/Mount'
- **Webcam support:** only via Y27 Terminals.
- **Trouble** with your session? Quit the session.
  - Switching a terminal on/off don't affect your session!
  - Before log in, mark the check-box '**End Existing Session**'.

- Workspaces
  - Number, size & name are configurable.
  - Switch workspace: Ctrl-Alt-*LEFT* | *RIGHT*
  - Application windows can be moved between workspaces.
- Cancel print jobs
  - On the upper right corner you will a printer symbol as long as a print job is active.
  - Click on the icon to open the print queue, select the job and choose CANCEL.
- Create a bookmark in the file manager, f.e. for /scratch/scan.
- US Keyboard: Typing umlauts (ö,ä,ü): right win (=compose) + vowel + accent (release each key after pressing)
- Backup:
  - Every night **and** the last 4 hours in 30 minutes intervals.
  - Your Backup is available under: **~/.zfs/snapshot** (**'~'** means your home directory)

Applications:

- Please check the menu. Contact the IT group, if you need further applications to be installed.
- **Mendeley**: free reference manager and academic social network
- Trouble with Firefox, Thunderbird, USB Sticks, ...?
  Please check '**Applications > System Tools > Clean …**'
- **KeePass(XC)**: Store all your username/passwords locally (one encrypted file).
  Hint: Save the file in a cloud synced folder (drive.math.uzh.ch) and install a Keepass App on your notebook (*https://keepassxc.org/*), Android (*KeePassDX)* and/or iOS (*KeePassium)* device.
- **Flameshot** (Screenshot): 'Applications > Graphics > Flameshot', or key 'prt sc'.
- **Clipboard**:  lower right corner, last 20 entries.
- **Firefox**
  - Open a link in a new tab by pressing the **middle mouse button** (scroll wheel).
  - Copying rows or columns in a table: hold down CTRL.

Technical:

- The servers are rebooted about once every 4-12 weeks (during the night). After a reboot, you have to log-in again.
- If a server fails (crash, ...) your session and any unsaved data are lost.

Remote Access

- Thinlinc Session@HOME: **tl.math.uzh.ch** (the second character is a lowercase 'L')
  - Client: https://www.cendio.com/thinlinc/download/
  - Via Webbrowser: https://tl.math.uzh.ch
- Access to your data:
  - SSH: **ssh.math.uzh.ch**
    copy files, text applications

- Linux: Places (nautilus, caja), type sftp://<user>@<host>:
- Windows: WinSCP http://winscp.net
- Mac: Filezilla http://filezilla-project.org

Software offered by UZH

- https://wiki.math.uzh.ch/public/books/public-wiki/page/software

Communication

Mail

- https://outlook.com
- Via Thinlinc: use Webmail (above) or Thunderbird.
- Notebook Mac OS-X / Windows: Install Outlook

hello.math.uzh.ch - Rocket Chat

- Like *WhatsApp,* but hosted at MATH/DM3L.
- Via a) Browser (https://hello.math.uzh.ch) or b) *Applications > Internet > Rocket Chat.*
- Audio Call & Desktop Sharing (like WhatsApp, Signal).
- Create own groups.
- Send Attachments (better than by email).
- User: a) MATH/DM3L user by default , b) self registration.

Video Conference

- *https://jitsi.math.uzh.ch / https://hello.math.uzh.ch: groups <5 persons, very easy to use.*
- **Zoom & MS-Teams**: Use your UZH SSO login - full license.
- Borrow webcam and headset from IT-Support.

Streaming Lecture/Seminare

- **Blackboard (4k) & PDF**: https://seminarlive.mnf.uzh.ch – easy to use.
- **All Y27** seminar rooms pepared, plus Y11F06, Y25H79, Y34J01, Y34J02, Y36K08, Y42K88.
- Automatically linked on lecture homepage.
- Remote (Laser) / Logitech Presenter (Screen) – borrow *one from IT Support*.



Meeting Room

- Meeting rooms Y27: **G28, J11, K11, K49**
- Electronic Whiteboard (each meeting room) – Samsung Flip
  - Drawings can be saved on a network share – reuse it on a different Samsung Flip.

- Drawings can be send as PDF by email.
- Webcam and Speaker via USB.
- Touch: Connect your Windows/Linux Notebook with HDMI/USB and *use it as a tablet*.
- Also: dedicated linux desktop installed (no notebook necessary).
- *Before the first use: try it by your own, take time to get some practice.*

Data & Storage

Thinlinc

/scratch/

'/scratch/' is a shared folder of the whole institute, with private subsections for work-groups, teaching and employees.

/scratch/share

Students do not have access to '/scratch/share'.

/scratch/share/<work-groups>

/scratch/share/seminare/<module number>/<semester>

/scratch/share/vorlesungen/<module number>/<semester> (*veranstaltungen* is a symlink)

Backup

Thinlinc: Auto

Notebook: On your own! E.g. via drive.math.uzh.ch

Cloud Storage

- https://drive.switch.ch - 50GB, Registration via AAI
- https://drive.math.uzh.ch - MATH/DM3L Account

Git

Create private / work group or public projects. See also https://wiki.math.uzh.ch/public/Git

- https://git.math.uzh.ch
- https://gitlab.uzh.ch

Computing

- Overview: https://wiki.math.uzh.ch/public/books/public-wiki/page/compute-resources
- Reservation: MADE (Intranet) > Reservation – no slurm / queue system.
- **Small** *and* **short**: start locally in your terminal session.

- **Big** *or* **long**: contact the IT support first - there are different compute servers available.

Office Services

Printing

- Paper empty: help yourself - paper should be located in the metal cabinets on floor J & K next to the printer.
- Toner empty: contact IT support.
- Canon copy machines: print booklet and stamp, scan (send by email).

UPP – UZH Print Plus

- Canon copy machines / all over the campus.
- *Secure print*: print to UZHPrintPlus, go to any device, put your badge on the card reader, release the print job.
- Notebook install: https://www.zi.uzh.ch/en/support/it-workplace/uzhprintplus/install-printer.html
- *Expensive*.

Institute printing - MATH/DM3L

- Much *cheaper* if you don't use the UPP printers.
- Printers are named according to the office number: The name of the printer in room Y27H52 is *h52*. Color printers are called *k49color*.
- All public printers are duplex printers and will print duplex by default - which can be turned off.
- Color printing is expensive: Assistants have a print quota of 1000 credits per semester on colored pages. If a print job is not accepted, you'll be informed by email. If you need more print credits, please contact IT support.

Scanning

- G25: Printer/Copy Machine
- Floor J: Color Scan (Copy Machine) – UZH badge
- Floor K: Color Scan (Copy Machine) – UZH badge

MADE – Management Department

- https://made.math.uzh.ch - *Intranet* I-MATH
- https://made.dm3l.uzh.ch - *Intranet* DM3L

User setting (upper right corner)

- *Homepage*: personal content.
- *Publication*: your list of publications.

- *Mailing List*: your subscriptions.

Reservation

- Compute Resources.
- Meeting rooms.

MY – Teaching, Print-, Disk Quota, Email lists, IT Monitoring

- https://www.math.uzh.ch/my
- Edit seminars, lectures, exercises - published on the Institutes homepage.
- Tech-news. Monitoring MATH/DM3L, Microsoft.
- Links & Lists: all MATH/DM3L mailing lists (including who is subscribed to a mailing-list).

Lecture exercise sheets

Additional to the web upload, copy PDF files to

/scratch/share/vorlesungen/<module number>/<semester>/web/

Security

- All Servers and Services are constantly monitored.
- If a an attack is detected (e.g. brute force password, ...), the attacker IP will be blocked.
- If you mistype your password **too often**, you're IP will be blocked!
  - Indicator: website https://uzh.ch loads fine, but *timeout* for https://math.uzh.ch or https://dm3l.uzh.ch
  - You can **unblock** yourself: **https://help.math.uzh.ch**

Phishing Mails

- New received phishing mails are published on the intranet https://math.uzh.ch/my > ***IT News***. Please refer to them if you want to check a suspicious email. If the suspicious email isn't listed there, please forward such a mail to support@math.uzh.ch.
- If you provide **your credentials** on a malicious website, often just a few minutes later it will be misused to send spam. CHANGE YOUR PASSWORD **immediately** (check first page).

Further Information

Public Wiki - https://wiki.math.uzh.ch/public

General information for students, research and staff. Access without a log-in.

Institute Wiki - https://wiki.math.uzh.ch/math

Specific information for employees only (no student).

Using the library collection of the MATH & DM3L

The library collection of the Institute of Mathematics is part of the Main Library of the University of Zurich (HBZ) - you will find it in the Forschungsbibliothek Irchel (Y15) on floor K.

Access

As a member of the Institute of Mathematics you can request a 24/7 access to the library using this application form: http://www.hbz.uzh.ch/images/Benutzng_FBI/antragsformular_24hzutritt.pdf

Lending services

For lending books you must be registered as a library user. Please check the information desk and bring your UZH card with you. The lending period lasts 28 days. You can prolong it twice for further 28 days. A supplementary prolongation is possible on your personal library account in the Rechercheportal: http://www.recherche-portal.ch

Journals in print

The math journals from the current year are available in the Forschungsbibliothek Irchel on floor K. The members of the Institute of Mathematics have also access to the math journal archive which is placed in the building of the institute (Y27) on floor G.

E-media

The HBZ offers numerous digital documents and databases. You have access to them at the computer stations at the Institute of Mathematics. For the access from outside the university please observe the following instructions:
http://www.hbz.uzh.ch/ > Access Information E-Media

Interlending

Media which are not at the HBZ you can order by interlending at the information desk or using this the HBZ website.

Further information

You'll find further and detailed information in German and English on the HBZ website: http://www.hbz.uzh.ch

For any questions do not hesitate to contact us at the information desk, by e-mail fbi@hbz.uzh.ch or by phone: 044 63 54151.