

Overview-Print

Printing I-MATH vs. UZH Printplus (UPP)

At the institute there are two printing solutions available: I-MATH-based and UZH Printplus (UPP)-based.

	I-MATH	UPP
Printer	All printers & copiers	Copiers k, kcolor and j, jcolor. Thinlinc Print Dialog: UZHPrintPlus
UZH wide	-	yes
Cost	Low. I-MATH pays the infrastructure	High. UZH
Scan	Only a few dedicated rooms (not public)	k / kcolor, j / jcolor - use your UZH badge, free
Paying	see below	UZH Printplus
Requirements	I-MATH Account (or guest)	UZH Account & Badge

Printing

Please review the specific page:

- **I-MATH**

- Windows: [Manual](#)
- Mac OS X: [Manual](#)
- Linux: [Manual](#)
- Thinlinc: [Manual](#)

- **UZH Printplus (UPP)**

- [Homepage](#)
- [UPP Printer install](#)
- [Recharge credit](#)

Printer Names

- Printers are named after the room they are in.
- For the big printers on corridors of J and K floors several virtual printers with various configurations are provided. For example:
 - jcolor = colored
 - j = black/white
 - jcolor-booklet = booklet

Public printers

Printer	Location	Color	Remarks
h52	Y27 H52	No	
j11	Y27 J11	No	
k49	Y27 K49	No	
k49color	Y27 K49	Yes	
j	J floor	No	Stapling, booklet print, A3 format
jcolor	J Floor	Yes	Stapling, booklet print, A3 format
jcolor_booklet	J Floor	Yes	Only booklet print
k	K floor	No	Stapling, booklet print, A3 format
kcolor	K floor	Yes	Stapling, booklet print, A3 format
kcolor_booklet	K floor	Yes	Only booklet print

Credit System

All printers of the institute are connected to a central print server, which logs and counts all print jobs. Before a print is sent to a printer, the system gets the page number and job settings, calculates the costs and checks permissions and credits for the sender. After a successful printing, the credits will be subtracted.

Credits and free printing	black and white	color
members of the institute*	free	free**
students***	costs	costs

- Members of the institute are: Professors, Staff, Assistants (!PostDocs and !PhDs), Guests.
- Assistants need to refill the credit (for free) after printing 100 colored pages per semester.
- Students with 'Hauptfach Mathematik' or "Hauptfach Bio Statistic" get free credits worth 20 SFr. per semester. An [I-MATH account](#) is required to print.
- A printjob is counted based on page number, page format (A4 or A3), simplex or duplex and black/white or color.
- Special settings like A3, color or stapling are only available on some special printers like jcolor, k.

[Prices for all printers with different settings!](#)

Charging/Checking Credits

- You can view your credit, your settings and your last 50 print jobs in your account admin panel: [My Math](#).
- Users can charge credits at the office **Y27K30**. The credit can be used immediately.
- Assistants can also write an email to the system support (support@math.uzh.ch), but in this case it can take a while until you receive the credit.

Booklets

Printers / Copiers 'jcolor' and 'kcolor' are capable to fold and stamp printouts to create booklets / brochures.

- Multiple Copies: DO NOT USE 'copies' (print dialog or via commandline '-n num-copies'). Instead use 'Repeat jobs' under advanced options.

General Page Setup Page Handling Job Color Finishing **Advanced**

Canon Device Specific

Destination:

MailBox (0-99):

User Password (max. 4294967295):

User ID (max. 7 digits):

Secured Password (max. 7 digits):

Repeat Job (0-99):

- Up to 16 sheets of paper can be stitched! If you have more they only get folded.
- Printing booklet with **only** folding (no stamps), might produce outputs where the single folded sheets of paper are one by one and not inserted into each other.

- **Manuals:**

- [Thinlinc](#)
- [MacOS](#)
- [Windows](#)
- [Linux](#)

Poster Printing (large)

- ETHZ has outsourced most printing jobs, but you can still print large formats, see here: <https://signprint.ch>
and here for FAQ on ETHZ's decision to outsource etc: <https://ethz.ch/staffnet/en/service/office-supplies-printing-and-mailing/print-publish/futureprint-eth.html>
- If you are looking for a nearby option: <https://posterprinting.bioc.uzh.ch/>

Troubleshooting

Text replaced by ☐



In case you printed on k, kcolor, j, jcolor and the text on the printout is replaced by squares or weird characters, do the following:

- **Install GhostScript via Terminal:**

- MacOS: `brew install ghostscript` (via Homebrew)
- MacOS: `sudo port install ghostscript` (via MacPorts)
- Linux: `sudo apt install ghostscript` (Debian, Ubuntu)
- Windows: `winget install ArtifexSoftware.GhostScript`

- **Convert the PDF:**

- MacOS/Linux: `gs -o print.pdf -sDEVICE=pdfwrite -dNoOutputFonts input.pdf`
- Windows: `gswin64c -o print.pdf -sDEVICE=pdfwrite -dNoOutputFonts input.pdf`

- **Print the Converted PDF:**

- Now print the newly generated PDF (in the example it is named "print.pdf")
- The printout should be fine now. If not, please report to support@math.uzh.ch

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