

# Speedcubing

Kimi Löffel

ICT Berufsbildungszentrum

28. September 2021

# Inhalt

What is it?

Puzzles

WCA

What is the WCA?

WCA puzzles/events

non WCA

# What is it?

- ▶ Speedsolving a puzzle

# What is it?

- ▶ Speedsolving a puzzle
- ▶ Collecting Puzzles

# What is it?

- ▶ Speedsolving a puzzle
- ▶ Collecting Puzzles
- ▶ Modders

# What is the WCA

- ▶ World Cube Association

# What is the WCA

- ▶ World Cube Association
- ▶ Organizes Competitions

# What is the WCA

- ▶ World Cube Association
- ▶ Organizes Competitions
- ▶ Award official records



# WCA puzzles and events

►  $3\times 3\times 3$

# WCA puzzles and events

- ▶  $3\times 3\times 3$

- ▶  $2\times 2\times 2$

# WCA puzzles and events

- ▶  $3\times 3\times 3$
- ▶  $2\times 2\times 2$
- ▶  $4\times 4\times 4$

# WCA puzzles and events

- ▶  $3\times3\times3$
- ▶  $2\times2\times2$
- ▶  $4\times4\times4$
- ▶  $5\times5\times5$

# WCA puzzles and events

- ▶  $3\times 3\times 3$
- ▶  $2\times 2\times 2$
- ▶  $4\times 4\times 4$
- ▶  $5\times 5\times 5$
- ▶  $6\times 6\times 6$

# WCA puzzles and events

- ▶  $3 \times 3 \times 3$
- ▶  $2 \times 2 \times 2$
- ▶  $4 \times 4 \times 4$
- ▶  $5 \times 5 \times 5$
- ▶  $6 \times 6 \times 6$
- ▶  $7 \times 7 \times 7$

# WCA puzzles and events

- ▶  $3 \times 3 \times 3$
- ▶  $2 \times 2 \times 2$
- ▶  $4 \times 4 \times 4$
- ▶  $5 \times 5 \times 5$
- ▶  $6 \times 6 \times 6$
- ▶  $7 \times 7 \times 7$
- ▶  $3 \times 3 \times 3$  BLD

# WCA puzzles and events

- ▶  $3 \times 3 \times 3$
- ▶  $2 \times 2 \times 2$
- ▶  $4 \times 4 \times 4$
- ▶  $5 \times 5 \times 5$
- ▶  $6 \times 6 \times 6$
- ▶  $7 \times 7 \times 7$
- ▶  $3 \times 3 \times 3$  BLD
- ▶  $3 \times 3 \times 3$  FMC



# WCA puzzles and events

- ▶  $3 \times 3 \times 3$
- ▶  $2 \times 2 \times 2$
- ▶  $4 \times 4 \times 4$
- ▶  $5 \times 5 \times 5$
- ▶  $6 \times 6 \times 6$
- ▶  $7 \times 7 \times 7$
- ▶  $3 \times 3 \times 3$  BLD
- ▶  $3 \times 3 \times 3$  FMC
- ▶  $3 \times 3 \times 3$  OH

# WCA puzzles and events

- ▶  $3\times3\times3$
- ▶  $2\times2\times2$
- ▶  $4\times4\times4$
- ▶  $5\times5\times5$
- ▶  $6\times6\times6$
- ▶  $7\times7\times7$
- ▶  $3\times3\times3$  BLD
- ▶  $3\times3\times3$  FMC
- ▶  $3\times3\times3$  OH
- ▶ Clock

# WCA puzzles and events

- ▶  $3\times3\times3$
- ▶  $2\times2\times2$
- ▶  $4\times4\times4$
- ▶  $5\times5\times5$
- ▶  $6\times6\times6$
- ▶  $7\times7\times7$
- ▶  $3\times3\times3$  BLD
- ▶  $3\times3\times3$  FMC
- ▶  $3\times3\times3$  OH
- ▶ Clock
- ▶ Megaminx

# WCA puzzles and events

- ▶  $3\times3\times3$
- ▶  $2\times2\times2$
- ▶  $4\times4\times4$
- ▶  $5\times5\times5$
- ▶  $6\times6\times6$
- ▶  $7\times7\times7$
- ▶  $3\times3\times3$  BLD
- ▶  $3\times3\times3$  FMC
- ▶  $3\times3\times3$  OH
- ▶ Clock
- ▶ Megaminx
- ▶ Pyraminx

# WCA puzzles and events

- ▶  $3\times3\times3$
- ▶  $2\times2\times2$
- ▶  $4\times4\times4$
- ▶  $5\times5\times5$
- ▶  $6\times6\times6$
- ▶  $7\times7\times7$
- ▶  $3\times3\times3$  BLD
- ▶  $3\times3\times3$  FMC
- ▶  $3\times3\times3$  OH
- ▶ Clock
- ▶ Megaminx
- ▶ Pyraminx
- ▶ Skewb

# WCA puzzles and events

- ▶  $3\times3\times3$
- ▶  $2\times2\times2$
- ▶  $4\times4\times4$
- ▶  $5\times5\times5$
- ▶  $6\times6\times6$
- ▶  $7\times7\times7$
- ▶  $3\times3\times3$  BLD
- ▶  $3\times3\times3$  FMC
- ▶  $3\times3\times3$  OH
- ▶ Clock
- ▶ Megaminx
- ▶ Pyraminx
- ▶ Skewb
- ▶ Square-1

# WCA puzzles and events

- ▶  $3\times3\times3$
- ▶  $2\times2\times2$
- ▶  $4\times4\times4$
- ▶  $5\times5\times5$
- ▶  $6\times6\times6$
- ▶  $7\times7\times7$
- ▶  $3\times3\times3$  BLD
- ▶  $3\times3\times3$  FMC
- ▶  $3\times3\times3$  OH
- ▶ Clock
- ▶ Megaminx
- ▶ Pyraminx
- ▶ Skewb
- ▶ Square-1
- ▶  $4\times4\times4$  BLD

# WCA puzzles and events

- ▶  $3\times3\times3$
- ▶  $2\times2\times2$
- ▶  $4\times4\times4$
- ▶  $5\times5\times5$
- ▶  $6\times6\times6$
- ▶  $7\times7\times7$
- ▶  $3\times3\times3$  BLD
- ▶  $3\times3\times3$  FMC
- ▶  $3\times3\times3$  OH
- ▶ Clock
- ▶ Megaminx
- ▶ Pyraminx
- ▶ Skewb
- ▶ Square-1
- ▶  $4\times4\times4$  BLD
- ▶  $5\times5\times5$  BLD

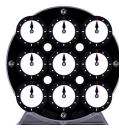


# WCA puzzles and events

- |                         |                         |
|-------------------------|-------------------------|
| ▶ $3\times3\times3$     | ▶ Clock                 |
| ▶ $2\times2\times2$     | ▶ Megaminx              |
| ▶ $4\times4\times4$     | ▶ Pyraminx              |
| ▶ $5\times5\times5$     | ▶ Skewb                 |
| ▶ $6\times6\times6$     | ▶ Square-1              |
| ▶ $7\times7\times7$     | ▶ $4\times4\times4$ BLD |
| ▶ $3\times3\times3$ BLD | ▶ $5\times5\times5$ BLD |
| ▶ $3\times3\times3$ FMC | ▶ $3\times3\times3$     |
| ▶ $3\times3\times3$ OH  | Multi-BLD               |

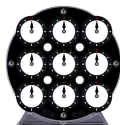
# WCA puzzles and events

- |                         |                         |
|-------------------------|-------------------------|
| ▶ $3\times3\times3$     | ▶ Clock                 |
| ▶ $2\times2\times2$     | ▶ Megaminx              |
| ▶ $4\times4\times4$     | ▶ Pyraminx              |
| ▶ $5\times5\times5$     | ▶ Skewb                 |
| ▶ $6\times6\times6$     | ▶ Square-1              |
| ▶ $7\times7\times7$     | ▶ $4\times4\times4$ BLD |
| ▶ $3\times3\times3$ BLD | ▶ $5\times5\times5$ BLD |
| ▶ $3\times3\times3$ FMC | ▶ $3\times3\times3$     |
| ▶ $3\times3\times3$ OH  | ▶ Multi-BLD             |



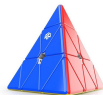
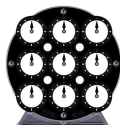
# WCA puzzles and events

- ▶  $3 \times 3 \times 3$
- ▶  $2 \times 2 \times 2$
- ▶  $4 \times 4 \times 4$
- ▶  $5 \times 5 \times 5$
- ▶  $6 \times 6 \times 6$
- ▶  $7 \times 7 \times 7$
- ▶  $3 \times 3 \times 3$  BLD
- ▶  $3 \times 3 \times 3$  FMC
- ▶  $3 \times 3 \times 3$  OH
- ▶ Clock
- ▶ Megaminx
- ▶ Pyraminx
- ▶ Skewb
- ▶ Square-1
- ▶  $4 \times 4 \times 4$  BLD
- ▶  $5 \times 5 \times 5$  BLD
- ▶  $3 \times 3 \times 3$  Multi-BLD



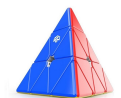
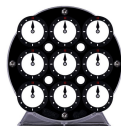
# WCA puzzles and events

- ▶  $3 \times 3 \times 3$
- ▶  $2 \times 2 \times 2$
- ▶  $4 \times 4 \times 4$
- ▶  $5 \times 5 \times 5$
- ▶  $6 \times 6 \times 6$
- ▶  $7 \times 7 \times 7$
- ▶  $3 \times 3 \times 3$  BLD
- ▶  $3 \times 3 \times 3$  FMC
- ▶  $3 \times 3 \times 3$  OH
- ▶ Clock
- ▶ Megaminx
- ▶ Pyraminx
- ▶ Skewb
- ▶ Square-1
- ▶  $4 \times 4 \times 4$  BLD
- ▶  $5 \times 5 \times 5$  BLD
- ▶  $3 \times 3 \times 3$  Multi-BLD



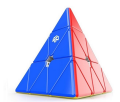
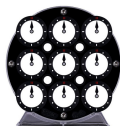
# WCA puzzles and events

- ▶  $3 \times 3 \times 3$
- ▶  $2 \times 2 \times 2$
- ▶  $4 \times 4 \times 4$
- ▶  $5 \times 5 \times 5$
- ▶  $6 \times 6 \times 6$
- ▶  $7 \times 7 \times 7$
- ▶  $3 \times 3 \times 3$  BLD
- ▶  $3 \times 3 \times 3$  FMC
- ▶  $3 \times 3 \times 3$  OH
- ▶ Clock
- ▶ Megaminx
- ▶ Pyraminx
- ▶ Skewb
- ▶ Square-1
- ▶  $4 \times 4 \times 4$  BLD
- ▶  $5 \times 5 \times 5$  BLD
- ▶  $3 \times 3 \times 3$  Multi-BLD



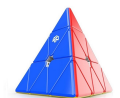
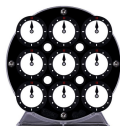
# WCA puzzles and events

- ▶  $3 \times 3 \times 3$
- ▶  $2 \times 2 \times 2$
- ▶  $4 \times 4 \times 4$
- ▶  $5 \times 5 \times 5$
- ▶  $6 \times 6 \times 6$
- ▶  $7 \times 7 \times 7$
- ▶  $3 \times 3 \times 3$  BLD
- ▶  $3 \times 3 \times 3$  FMC
- ▶  $3 \times 3 \times 3$  OH
- ▶ Clock
- ▶ Megaminx
- ▶ Pyraminx
- ▶ Skewb
- ▶ Square-1
- ▶  $4 \times 4 \times 4$  BLD
- ▶  $5 \times 5 \times 5$  BLD
- ▶  $3 \times 3 \times 3$  Multi-BLD



# WCA puzzles and events

- ▶  $3 \times 3 \times 3$
- ▶  $2 \times 2 \times 2$
- ▶  $4 \times 4 \times 4$
- ▶  $5 \times 5 \times 5$
- ▶  $6 \times 6 \times 6$
- ▶  $7 \times 7 \times 7$
- ▶  $3 \times 3 \times 3$  BLD
- ▶  $3 \times 3 \times 3$  FMC
- ▶  $3 \times 3 \times 3$  OH
- ▶ Clock
- ▶ Megaminx
- ▶ Pyraminx
- ▶ Skewb
- ▶ Square-1
- ▶  $4 \times 4 \times 4$  BLD
- ▶  $5 \times 5 \times 5$  BLD
- ▶  $3 \times 3 \times 3$  Multi-BLD



# non WCA puzzles

