

Mats Phillips

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Comp 266 R3

Unit 1

Description

This website will be a cubing information resource, giving anyone interested in cubing all the main important and relevant information to the Rubik's Cube and other similar puzzles. People can use it to find out how to solve the Rubik's cube, where to buy cubes, what brand to get, facts about the cube, solving world and local records, and the same information for all the other puzzles. Anyone from speed solvers to someone who never played with a Rubik's cube before can benefit from this website, and can keep coming back for more useful information, new records, new products, and new solving methods.

1. Personas

Persona #1 – Visitor 1

Saun Simmerling



- Los Angeles, CA
- 23
- Stucco Plasterer
- ESFJ (mbti)

"How's life? It's what I got."

Saun has been a stucco plasterer in LA for about a year now, after having a few jobs working in stores. He likes houses, and dreams of having a wife and kids in his own, but right now he lives in an apartment by himself. Sean is very organized, and makes sure to be where people need him on time. He lived with his parents up until he was 20, when he moved out into his own house to organize things to his own liking. Sean never was that interested in computers, and used them mostly to talk with friends and watch YouTube videos. He likes sports, as well as building, and watches sports as well. He is a seventh day Adventist, and went to church with his parents for most of his life. He has 3 siblings, with one older brother who always liked puzzles, which he also played with, including the Rubik's cube. Recently he saw the Rubik's cube that his brother had, and he's decided to research a bit into it, mostly to see if there is anything interesting about it on the internet.

Persona #2 – User 1

Janice Miranda



- Jacksonville, FL
- 16 years old
- High-school student
- ENFP

“My friends need to solve the problem.”

Janice was always interested in many things, and moved from one thing to another whenever she found something amazing. She likes mathematics, geometry, puzzles, chain-effect systems, and making videos of what she finds interesting. She has never been good at sports, but she has played some, but mostly likes to play music or watch videos. She likes to show her friends how to make contraptions, or tell them about the new idea she had, or organize events on something she has found interesting, and when she's at home she does the same thing with her siblings. She's a catholic, and has memorized the entire story of Jesus as well as the story of Genesis that she heard from her parents or at Church. She also likes to solve the Rubik's cube, and has a method to solve it, but she also likes to use it to make arrangements like smiley faces or checkerboard patterns. She watches some YouTube channels about puzzles like the Rubik's cube, and uses a few sites to find out how to do certain methods with it. When she finds a new site, she likes to look for what's most interesting, and memorize the interesting thing she finds.

Persona #3 – User 2

Robert Connelly



- St. Louis, MO
- 28 years old
- Sales representative
- INTJ

“Training is the key to success.”

Robert was always interested in computers, and found puzzles to be a fun challenge to do as a hobby. He had a few friends in school growing up, but mostly people interested in things like Sci-Fi and video games. Robert is a Christian, read the bible some growing up, has a brother and a sister, and lives with his wife and 2 kids. He spends much of his time either at his job or playing with his kids, but he also has a collection of puzzles like the Rubik’s cube that he plays with. He has improved his solving speeds to under 2 minutes for the Rubik’s cube, and under 10 minutes with the 4*4*4 and 5*5*5 cubes. He has found and practiced the fastest methods he’s found on the internet, and checks some websites for other methods or puzzles occasionally, going to the pages that give him the information he thinks he needs. He would like to use the best methods available for his puzzles, so if there were any better ones available, he would want to know them.

2. Scenarios

2.1 Scenario 1: Finding special Rubik's Cube patterns

User Task Profile Targeted	Persona #2 – User 1
Subject Persona	Janice Miranda
Scenario Description	Wonders what patterns can be made with Rubik's Cube

Background:

Janice saw the Rubik's Cube in her room, and thought of the checkerboard pattern that she knows. She does the method to make the pattern, then wonders how many other patterns can be made, and how to make them. She grabs her phone and searches "Rubik's cube patterns" to find a website that has the move sets to make special patterns.

Objective:

Find move sets to make special patterns on the Rubik's cube.

Narrative:

Janice finds the website, and clicks on the link in the top menu that says "Special Patterns", and looks at and memorizes the patterns she finds and likes.

2.2 Scenario 2: Interesting facts about the Rubik's Cube

User Task Profile Targeted	Persona #1 – Visitor 1
Subject Persona	Saun Simmerling
Scenario Description	Browses for Rubik's Cube facts

Background:

Sean recently saw his brother's Rubik's Cube, which got him interested in the puzzle. He wondered what could be done with the puzzle, what fun it could give, and what he could enjoy about it. To find out, he thought he could first search for facts about the Rubik's Cube, to see all the interesting facts.

Objective:

Find out what is interesting and enjoyable about the Rubik's Cube.

Narrative:

Saun looks up "rubik's cube" and goes through the links he sees. After visiting the official site of the Rubik's Cube, and reading the Wikipedia page, he then finds the site. In it, he reads the front page, looks through all the different main pages, and watches some of the videos listed. This gets him interested in the Rubik's cube, and encourages him to get one.

2.3 Scenario 3: How to solve the Rubik's Cube

User Task Profile Targeted	Persona #1 – Visitor 1
Subject Persona	Saun Simmerling
Scenario Description	Looks for solution to Rubik's Cube

Background:

Sean visits his older brother at his house, where he sees the puzzles he has. This reminds him of when he used to play with the Rubik's cube, which encourages him to buy one. After getting a Rubik's Cube, Saun realizes he's forgotten how to solve it. He goes to his computer to look up "How to solve a rubiks cube".

Objective:

Find out how to solve the Rubik's Cube.

Narrative:

Saun finds the site, and clicks on the "Solving Methods" top-menu. He then clicks on the beginner link, and it takes him to the page titled "Beginner Rubik's Cube Solving Methods". He finds numerous videos of different people's tutorials on how to solve the Rubik's cube, along with a step-by-step picture tutorial. He watches one of the videos listed and solves the Rubik's cube by copying the methods shown.

2.4 Scenario 4: Fastest solving methods

User Task Profile Targeted	Persona #3 – User 2
Subject Persona	Robert Connelly
Scenario Description	Finds quicker methods to solve the Rubik's Cube

Background:

Robert recently shifted his attention to other puzzles such as the Curvy Copter and the Ghost Cube, but now realized that he hasn't solved the Rubik's cube in a while. He only knows the basic method he learned from a beginner's tutorial, so he wants to look for a more advanced method.

Objective:

Learn the fastest available method to solve the Rubik's Cube

Narrative:

After searching through some other Rubik's cube sites, he finds the site, and goes to the page on all methods to solve the cube. He looks through them, then stops on the method that was used to solve it in under 5 seconds, and watches the tutorial given.

2.5 Scenario 5: The 5*5*5

User Task Profile Targeted	Persona #2 – User 1
Subject Persona	Janice Miranda
Scenario Description	Looks for special patterns of the 5*5*5 cube

Background:

After learning all the patterns and several solving methods for the Rubik's cube, Janice starts browsing the site for other interesting things. She looks at the top bar of the website, and clicks on "Other Puzzles", because she thought it would contain a big variety of interesting puzzles. She goes through them, but stops on the 5*5*5, because it looks like it could make even better special patterns.

Objective:

Learn special patterns for the 5*5*5, and other interesting things.

Narrative:

She clicks on the 5*5*5 picture, and finds out where it can be bought, how to solve it, and its records, but that is all uninteresting to her, so she scrolls down until she finds a link to 'special patterns' and clicks on it. She then sees a method to get any arrangement of the 3*3 center cubies on all sides, and quickly learns it. She then goes out to buy a 5*5*5.

2.6 Scenario 6: Buying a new puzzle

User Task Profile Targeted	Persona #3 – User 2
Subject Persona	Robert Connelly
Scenario Description	Finds a new challenging and cool puzzle

Background:

Robert has thoroughly enjoyed playing with the 5 puzzles he has: the Rubik's Cube, the 4*4*4, the 5*5*5, the 2*2*2, the Curvy Copter, and the Ghost Cube. Now he decides that he'd like to have a new puzzle, something else both cool in its look and function, but also difficult and fun to give him a challenge he'd like.

Objective:

Find a puzzle that is difficult, cool, and fun.

Narrative:

He returns to the site and clicks on the "Other Puzzles" link. He then looks at all the categories, chooses shape shifting, since it seems cool, and looks at and clicks on many of the puzzles that look difficult and fun. After watching videos on a few of them, he decides to get the 4*4*6 Fisher Cuboid because of its cool structure and shape shifting feature and it's difficulty rating on the site.

2.7 Scenario 7: Solving away from home

User Task Profile Targeted	Persona #2 – User 1
Subject Persona	Janice Miranda
Scenario Description	Takes the Rubik's Cube to school

Background:

Janice wanted something to do on lunch break, and since she liked solving the cube, she brought it with her for when she wasn't doing schoolwork. At lunch time, she decides to do the cube inside a cube inside of cube special pattern to show her friend, but she forgot the method. She doesn't have her computer with her, so she has to use her phone.

Objective:

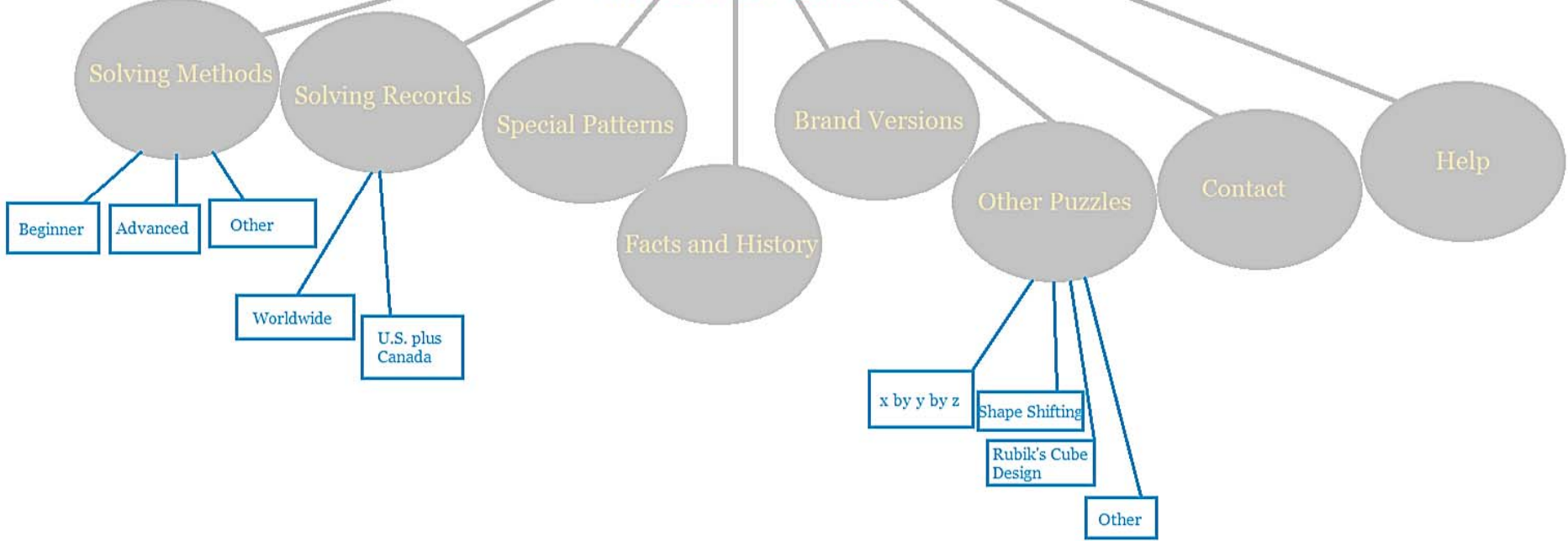
Find the method to make the cube inside a cube inside a cube special pattern.

Narrative:

She goes to the site using her phone, and taps the "Special Patterns" tab. She then moves the view down the page until she finds the pattern, and then memorizes it.

Home Page

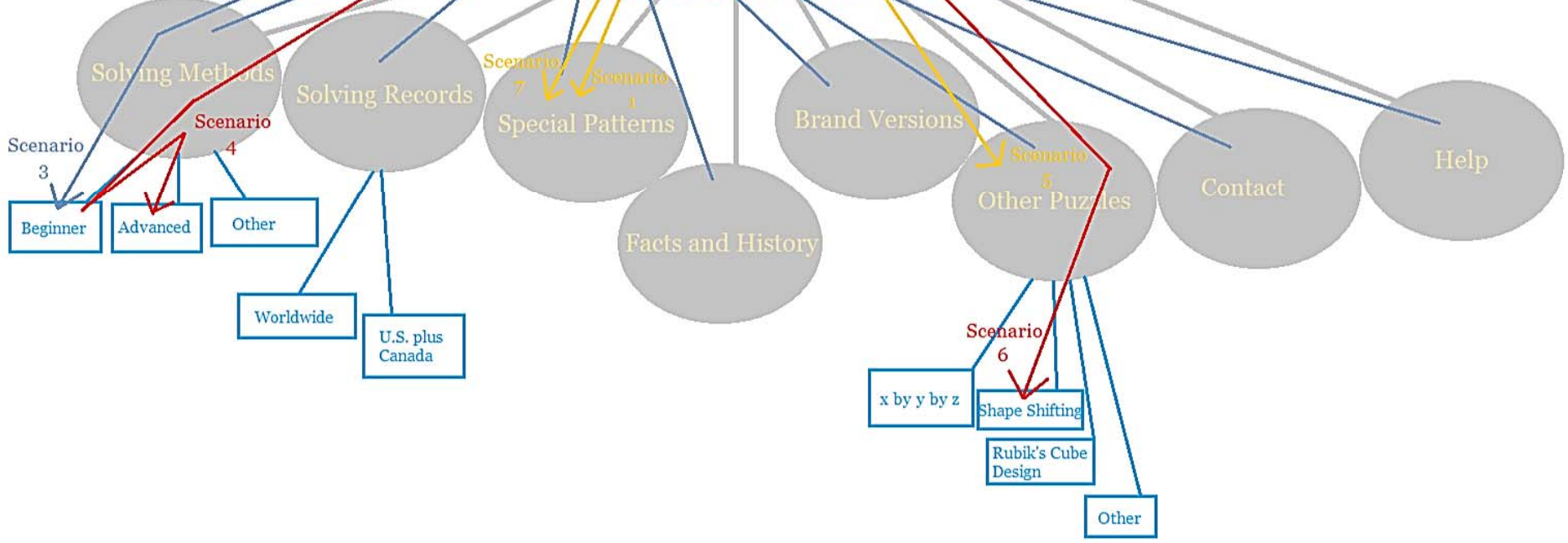
Main Tab Links

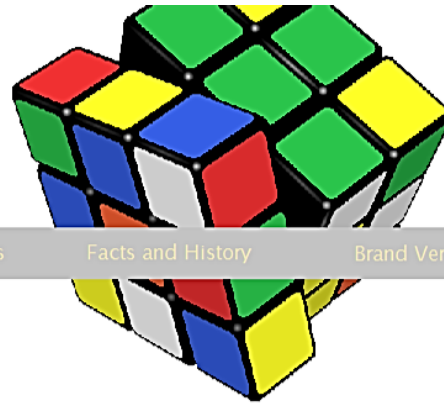


Orange - Janice
Indigo - Sean
Red - Robert



Main Tab Links





[Solving Methods](#)

[Solving Records](#)

[Special Patterns](#)

[Facts and History](#)

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[Other Puzzles](#)

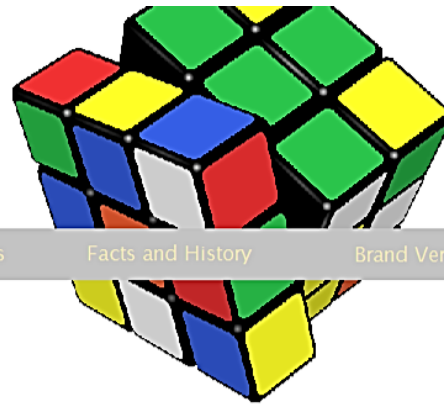
[Contact](#)

[Help](#)

Introduction explaining the purpose of the site. Also an introduction to Rubik's Cube, including the first creation, the growth in popularity, and the current state of Rubik's cube usage.

Afterwardss, mention what each of the main tabs is about.

Include some videos showing the highlights of the site, like fastest solving times, beginner solving method, and a review of other solving methods.



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Solving Methods

Beginner Methods

[Method 1](#)
[Method 2](#)
[Method 3](#)

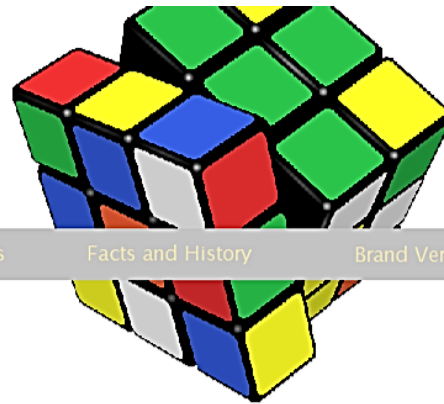
Advanced Methods

[Method 1](#)
[Method 2](#)
[Method 3](#)

Other Methods

[Method 1](#)
[Method 2](#)
[Method 3](#)

Description of what solving methods are, why they are grouped as they are above, and how the methods are found.

[Solving Methods](#)[Solving Records](#)[Special Patterns](#)[Facts and History](#)[Brand Versions](#)[Other Puzzles](#)[Contact](#)[Help](#)

Solving Records

Worldwide

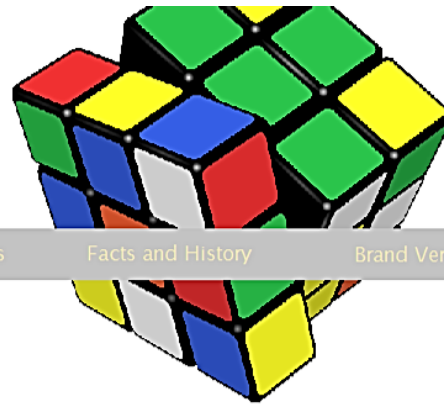
4.90
3.72
6.45
21.05
6.88

Official Solve
Unofficial Solve
Average
Blindfolded
One-handed



U.S. and Canada

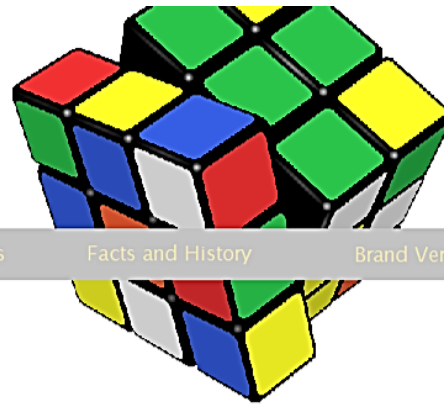
4.90
3.72
7.32
25.51
7.16

Description of where these records are recorded, basic rules of qualifying, how the tournaments take place, and other facts about Rubik's Cube Records.


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Special Patterns

<p>Checkerboard</p> 	<p>$R_2L_2 U_2D_2 F_2B_2$ $M_2 y M_2 z M_2$</p> <p>Description of pattern, including difficulty.</p>
<p>Superflip</p> 	<p>$UR_2FBRB_2RU_2LB_2RU'D'R_2FR'LB_2U_2F_2$</p> <p>Description of pattern, including difficulty.</p>

[Solving Methods](#)[Solving Records](#)[Special Patterns](#)[Facts and History](#)[Brand Versions](#)[Other Puzzles](#)[Contact](#)[Help](#)**Facts:**

- [How it works](#)
- [20 moves maximum](#)
- [Tournaments and rules](#)
- [18 possible moves and move notation](#)
- [Possible permutations](#)

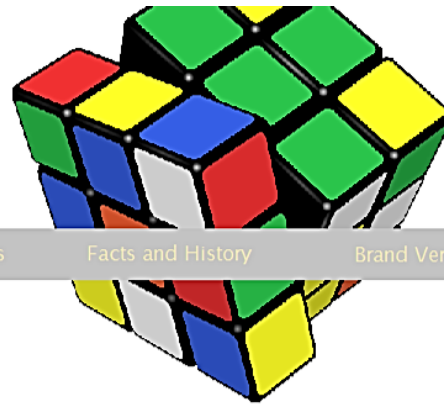
History:

- [Creation and creator](#)
- [Growth in popularity \(1980s\)](#)
- [Recent popularity \(2000-\)](#)
- [Variations and branch-off puzzles](#)
- [Machine solvers](#)


Facts:

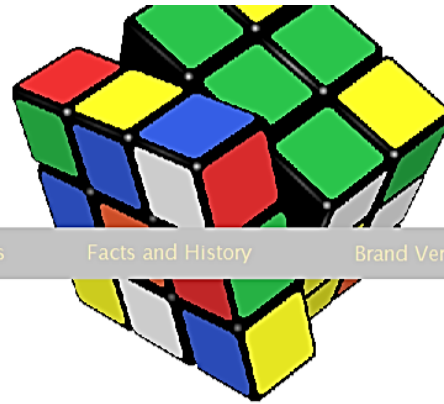
How it works:

The cube that is in the center of each side is actually one big cube. It is the only one that never moves--the rest of the cubes simply rotate around it. The cubes to the left and right of the center cube (12 in total) are referred to as the "middle edge" pieces. They are held to an internal mechanism that allows them to rotate both up and down. Though rotating the top or bottom row of cubes moves them the consequence of moving left and right, they do not rotate around in this

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Brand Versions

Moyu Aolong V2	Amazon TheCubicle.us SpeedCubeShop.com Cubez.com
	Description of cube, review, turning quality, properties, etc.
Moyu Weilong	Amazon TheCubicle.us CubeDepotUSA.com ChampionsCubeStore.com
	Description of cube, review, turning quality, properties, etc.



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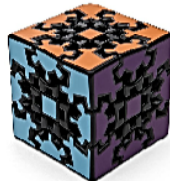

[Contact](#)

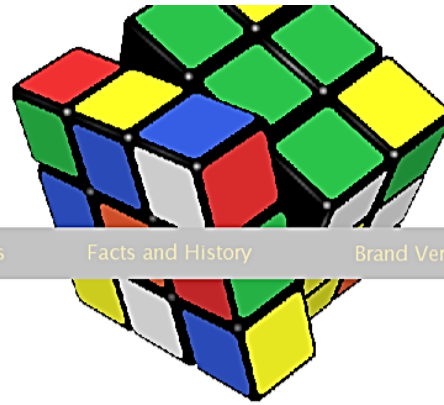
[Help](#)

Most Popular

Categories

[x by y by z](#)
[Shape Shifting](#)
[Rubik's Cube Design](#)
[Other](#)

<p>Gear Cube</p> 	<p> Solving Methods Solving Records Purchase Websites Review </p> <p>Description of puzzle, difficulty, review, properties, etc.</p>
<p>Megaminx</p> 	<p> Solving Methods Solving Records Purchase Websites Review </p> <p>Description of puzzle, difficulty, review, properties, etc.</p>



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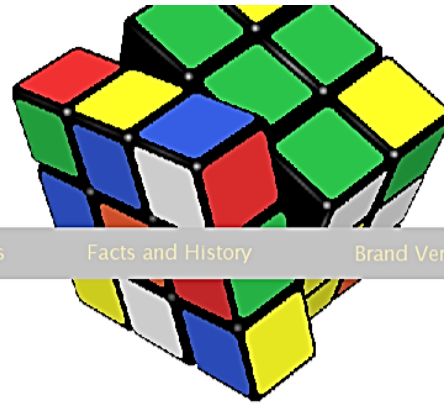
Contact

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Website artist
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About Site

How the site was created, why it was created, explanations of website information and structure, and other notes.

Credit

People who helped with the site, what it was based on, people who the site links to, and other important people and websites for the site.

All text in blue are links to either a different page, or a sub-field in that page.

Home Page:

Videos would be displayed in a YouTube video box.

Solving methods:

Beginner Methods, Advanced Methods, and Other Methods all link to different pages.

The “Method 1”, “Method 2”, and “Method 3” would be replaced with the names of the actual methods. They are linked to sub-fields within the main page they are a part of.

Solving records:

Worldwide and U.S. and Canada link to their respective pages, with detailed record histories for each of the categories.

Special patterns:

The images could be replaced with by animations, but images are fine too.

The name links to a video showing how to do the pattern. The image could too if it is just an image.

Facts and History:

The Facts text is taken from: http://www.ehow.com/how-does_5370157_rubiks-cube-works.html

Brand versions:

The name links to a video showing a review of the cube.

The buying site names link to the website with the search term of the brand version name.

Other Puzzles:

The name links to the puzzle’s own page.

The “Solving Methods”, “Solving Records”, “Purchase Websites”, and “Review” lead to their respective sub-field of the puzzle’s page.

Contact:

The contact list can be filled with any other people involved with the website, and maybe include official Rubik’s Cube contact addresses.