



## Babycastles

Babycastles Gallery hosts exhibitions of video games created by diverse independent artists from around the world

*that supports*

Experimental Artists

Become a Member

NEW YORK, NY

## WALLPAPER - AN INTERACTIVE COLORING EXHIBITION BY ALEX BERKE

Thursday,  
May 31 at 7PM



145 W. 14th St.



Come color on the walls - on the wallpaper to be precise. This isn't any wallpaper. This is wallpaper printed with THE WALLPAPER PATTERNS that represent the possible mathematical symmetry groups in the 2-dimensional plane.

What does this all mean? Your explanation will come by interacting with animated illustrations, playing geometric arcade games, and puzzling through "coloring challenges".

The artworks in this exhibition are part of a mathematical coloring book: "Illustrating Group Theory" by Alex Berke. The coloring book is both digital and on paper and was created as a resource to make "higher level math" more accessible.

Featuring a curation of fun drawing games in our arcade cabinets:

Sloppy Forgeries by Jonah Warren ( [↪ playfulsystems.com/sloppy-forgeries](https://playfulsystems.com/sloppy-forgeries) )

Become a Great Artist in Just 10 Seconds by Andi McClure and Michael Brough ( [↪ msm.runhello.com/p/987](https://msm.runhello.com/p/987) )

Engare by Mahdi Bahrami ( [↪ engare.design](https://engare.design) )

Action Painting Pro by Ian McClarty ( [↪ ianmaclarty.com/action-painting-pro](https://ianmaclarty.com/action-painting-pro) )

Color a Deer by pubby ( [↪ forums.nesdev.com/viewtopic.php?f=22&t=14257](https://forums.nesdev.com/viewtopic.php?f=22&t=14257) )

- Math is beautiful -

// Exhibition //

Thursday May 31st - Thursday June 14th

Opening Reception

Thursday May 31st, 7-10pm

Babycastles Academy featuring: A Mathematical Coloring Workshop

Sunday June 3rd, 2-3:30pm (see below)

// Can't Wait? Gotta Play with Patterns Beforehand? //

~ [↪ coloring-book.co/wallpaper](https://coloring-book.co/wallpaper) ~

// About the Artist & Project //

Alex Berke has a dayjob as a software engineer at Google, working on Search. The night time is for artistic pursuits and hacking on side projects.

She has degrees in mathematics and computer science, but only found computer science in college by pursuing her passion for mathematical thinking. She was only aware of this passion due to all the time she spent as a kid staring at mathematical designs and playing with logic puzzles, and then having a few adults around to suggest that the concepts she loved in these images and games were what "higher level math" was all about. She feels lucky she had those resources and adults around her.

The wallpaper patterns in this exhibition, and the larger mathematical coloring book project that they are a part of ( [↪ coloring-book.co](https://coloring-book.co) ), were produced to provide resources for others to discover the beauty of mathematics. This project intends to show that the best parts of math are not about numbers, and make those parts more accessible.

This "coloring book about math" is both digital and on paper. On paper is where the coloring is done. The digital version brings the illustrated explanations to life in interactive animations.

[↪ coloring-book.co](https://coloring-book.co)

// Babycastles Academy featuring: A Mathematical Coloring Workshop //

Sunday June 3rd, 2-3:30pm

[↪ facebook.com/events/216524890260200](https://facebook.com/events/216524890260200)

RSVP \$5 Suggested

