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*Mathematical animated GIFs*

There is an online subculture dedicated to creating abstract looping animations and publishing them as GIFs. Often, these animations are based on feats of geometric ingenuity that position them firmly within the realm of mathematical art. I will show a selection of these artworks, discuss some of the mathematical ideas that underlie them, and introduce basic programming tools that can be used to create your own. Finally, I will talk about my recent research into developing looping animations based on isohedral tilings.