

# Rotation Animation

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## Abstract

A two dimensional animation was created to give a sense of three dimensional space by taking original video and rotoscoping every sixth frame in Adobe Photoshop. The video itself contains one person and two miniature pigs interacting together as the camera rotates around them. Many animated films such as El Dorado and The little Mermaid use a rotating technique in animation there animation to give the scene more dimension

## Research Question

How can two dimensional animation be used to create a three dimensional environment?

## Precedents and Prior Research

- Animation studios have been using rotoscoping as a visual aid in creating animated films for many years. This technique helped with both being able to achieve realistic characters and movements that give the scene more dimension. This can be seen in films such as The Little Mermaid when Ariel is in her hidden cavern and the camera appears the rotate around her while she is also rotating.
- I work with animation quite often and I find animation very fascinating with its complexity and amount of work that goes into each work.



## Process

- Original idea of creating a three dimensional figure through the process of two dimensional drawing and photogrammetry
- Switched to drawing a two dimensional animation with three dimensional space by taking original footage and rotoscoping it in photoshop.

## Results

Using Photoshop I was able to create a simple two dimensional animation with a three dimensional atmosphere.

## Conclusion

Using two dimensional animation with Adobe Photoshop, I was able to create a three dimensional atmosphere

## References

- Musker, J., & Clements, R. (Directors). (1989). The Little mermaid, The Making : Live Action Reference [Motion picture on DVD]. United States: Buena Vista Pictures Distribution, Inc.
- The Illusion of Life [Video file]. (1981). United States: Walt Disney Studios. Retrieved April 3, 2017.

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