

# Mathematica<sup>®</sup> Assignment #2

## Exporting gif animations

**Objective:** Create an animation that will enhance the student's understanding of Mathematica<sup>®</sup> and mathematics.

---

### Directions:

- Create an animation in Mathematica using a table, while storing each frame as a variable and exporting the animation as a gif file (animated graphics interface format).
  - The animation must be original.
  - Your animation should be a notch above your first Mathematica assignment.
  - The animation must have at least two sequences.
  - The animation must be 3D.
  - Turning in
    - Place the following files in your H:\ drive within the folder "SRT 2 Turn In"
      - Mathematica notebook (only include what is needed and delete the outputs before you save it.) Name: *YourName\_gif.nb*
      - Shockwave file name: *YourName.gif*
- 

### Grading:

- Turned in correctly (*1 point*)
- Animated gif functions (*5 points*)
- Originality (*5 points*)
- Depth of math. *Note: The 3D nature of the project is not included in this score. (10 points) [Algebra I level – 3 points, Algebra II level – 8 points, FST level – 10 points]*
- Overall functionality, appearance, 3D, and multiple sequences (*9 points*)