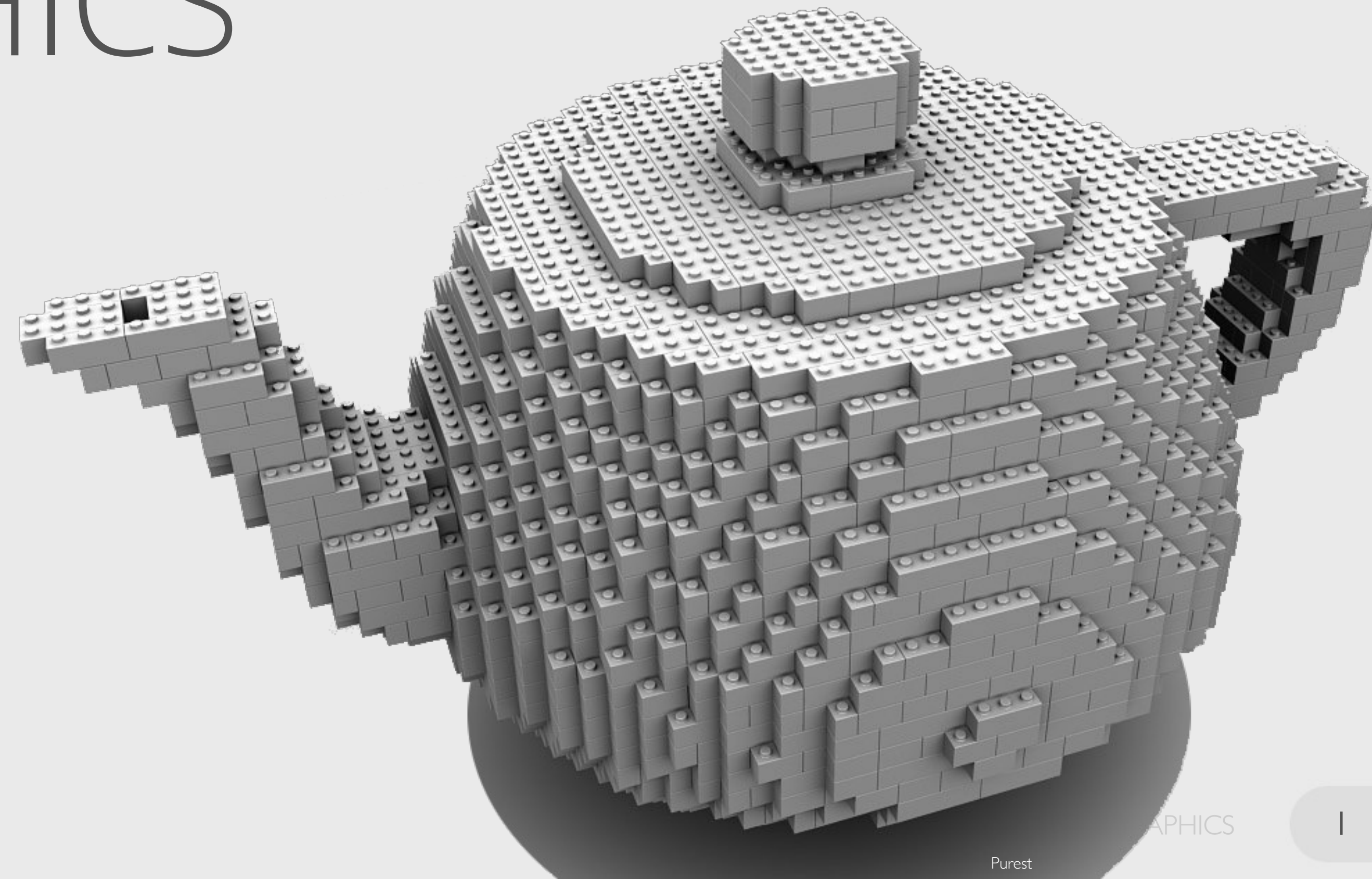


MULTIMEDIA & COMPUTER GRAPHICS

Dr. Arturo Jafet Rodríguez Muñoz

Ing. Bernardo Moya de la Mora

VECTOR VS RASTER



RASTER

Rendered images into pixels

Fixed size

Susceptible to aliasing

File size

JPG, GIF, TIFF, PNG



Paint, Photoshop



VECTOR

Shape description

Flexible size

Susceptible to differences

File size

Ai, SVG, EPS, PDF

Illustrator, LaTeX, Unity



SVG

Rect [width, height, fill...]

Circle [centerX, centerY, radius, fill...]

Paths

M x y (Move to)

L x y (Line to) H x y (Horizontal) V x y (Vertical)

Z (Closes the path)



SVG

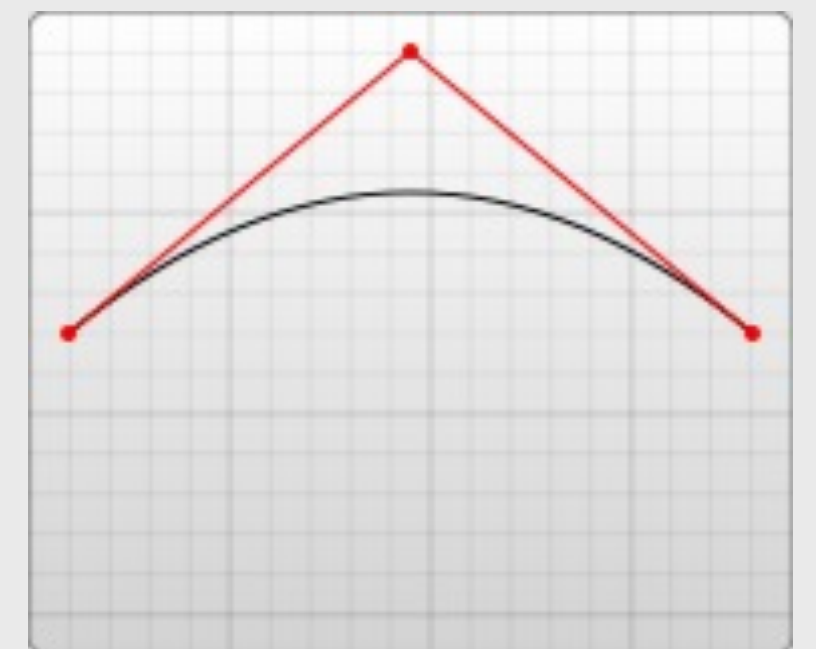
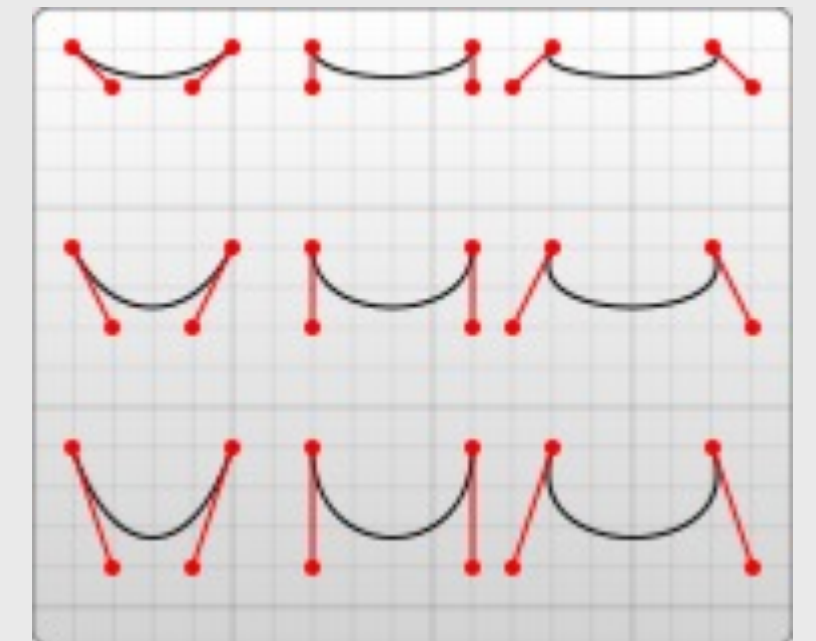
Paths Bézier Curves

C x_1, y_1, x_2, y_2, x, y (Cubic curve with 2 controls)

S x_2, y_2, x, y (Several curves) C (Control point)

Q x_1, y_1, x, y (Quadratic curve with 1 control)

T x, y (Multiple quadratic curves)

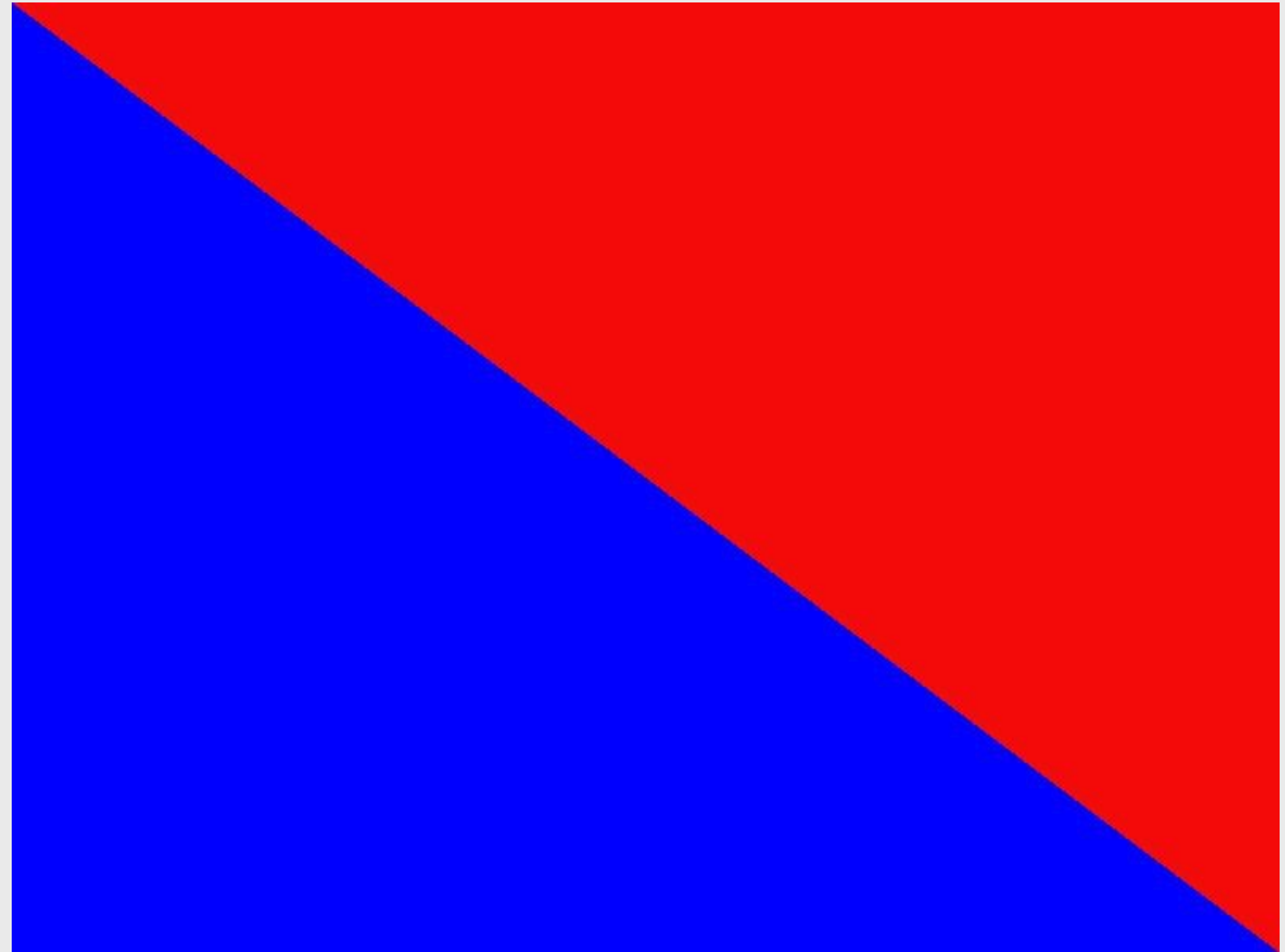


More details at: <https://developer.mozilla.org/en-US/docs/Web/SVG/Tutorial/Paths>

CLASSWORK 03

Aspect 4:3

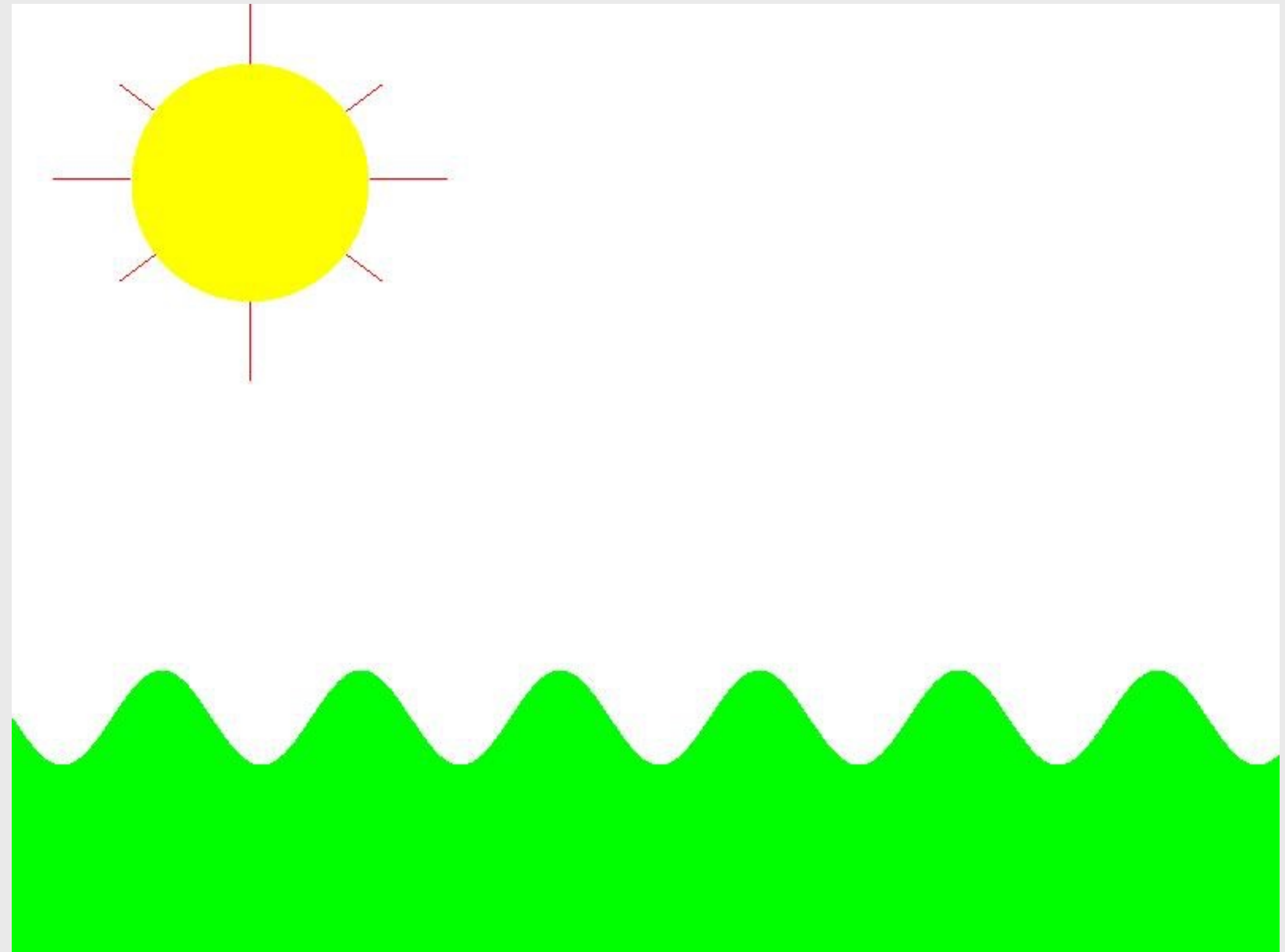
Colors 2



CLASSWORK 03

Aspect 4:3

Colors 4



REFLECTION

