

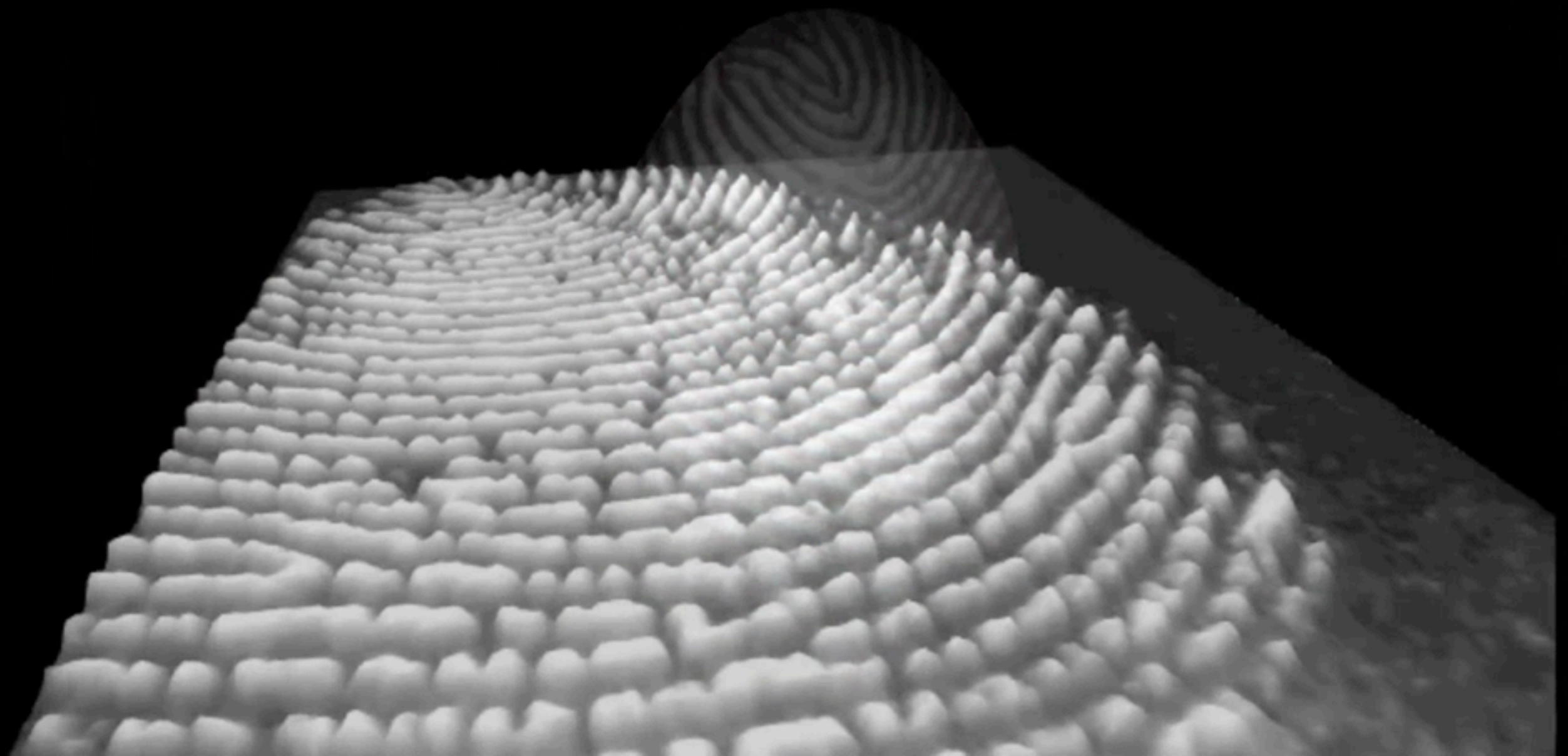
29/03/2017

*LABORATÓRIO DE SOM E IMAGEM
2016/2017*

INTRODUÇÃO À PROGRAMAÇÃO COM PROCESSING

RODRIGO CARVALHO

/GITHUB.COM/VISIOPHONE/LSI



DIGITI SONUS: INTERACTIVE FINGERPRINT SONIFICATION
YOON CHUNG HAN / 2013



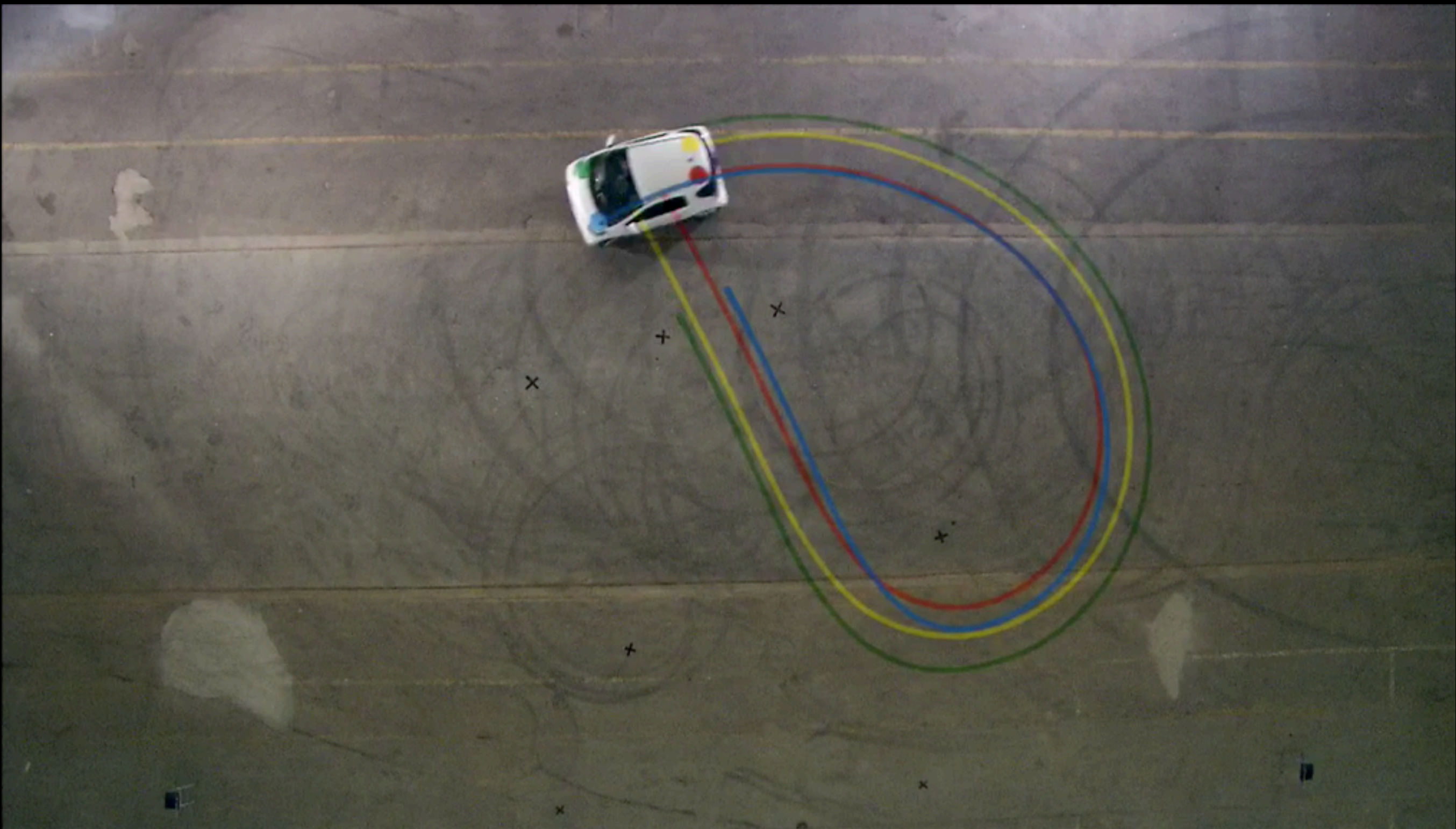
THE JANUS MACHINE
ZACH LIEBERMAN, THEO WATSON AND DAITO MANABE / 2010



14599 planes

18:49 EST

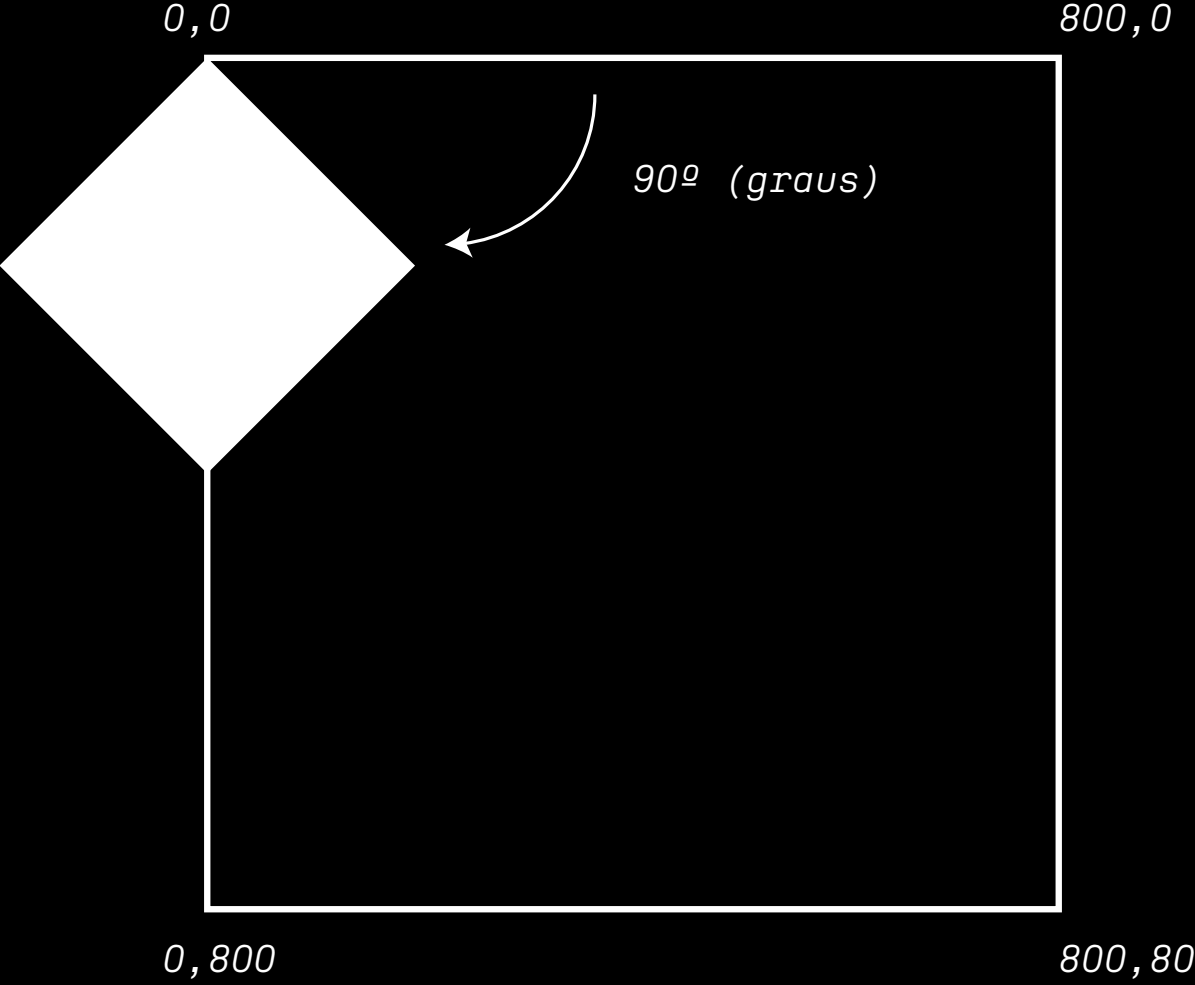
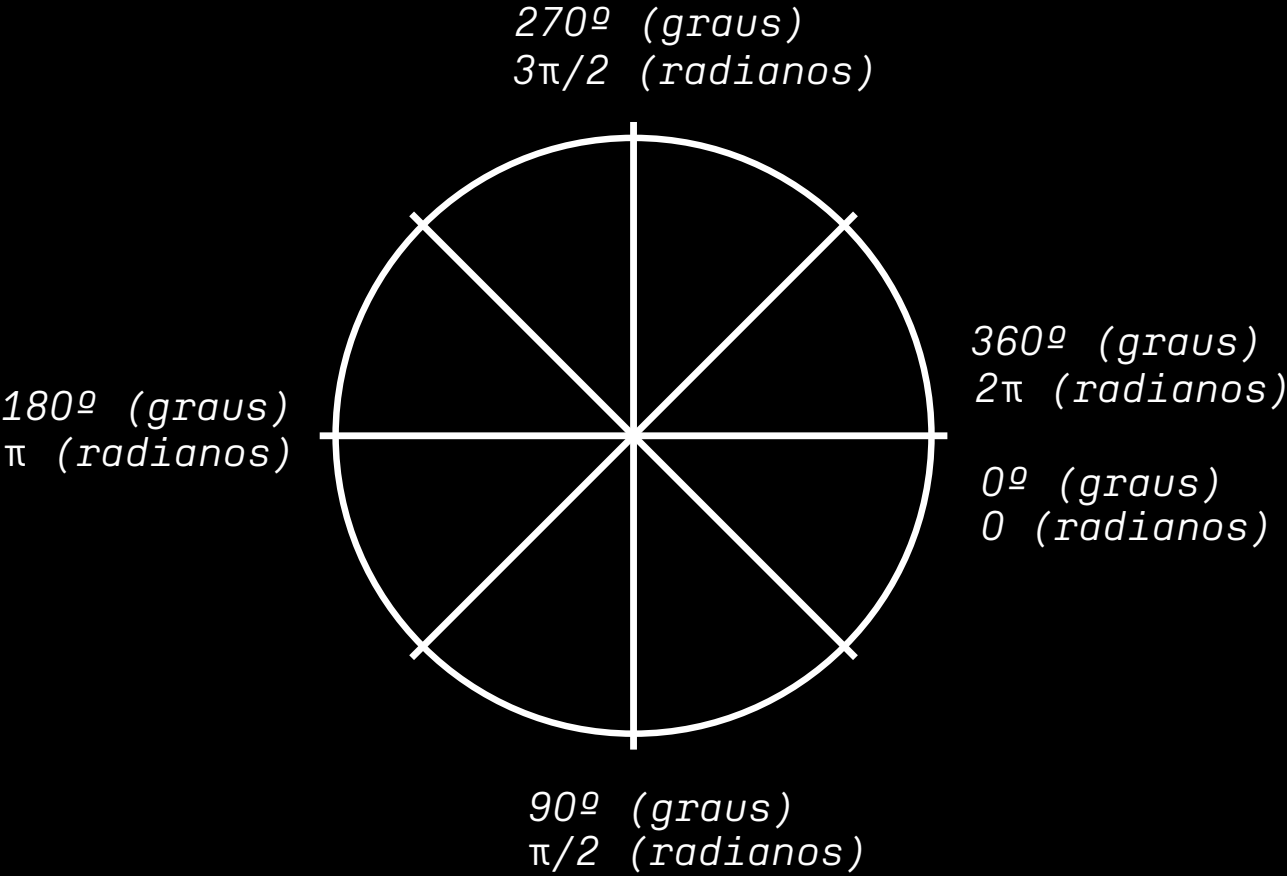
FLIGHT PATTERNS
AARON KOBLIN/ 2009



IQ FONT

ZACHARY LIEBERMAN, DAMIEN PIERRE, AND STEF VAN CAMPENHOUDT / 2009

ROTATIONS

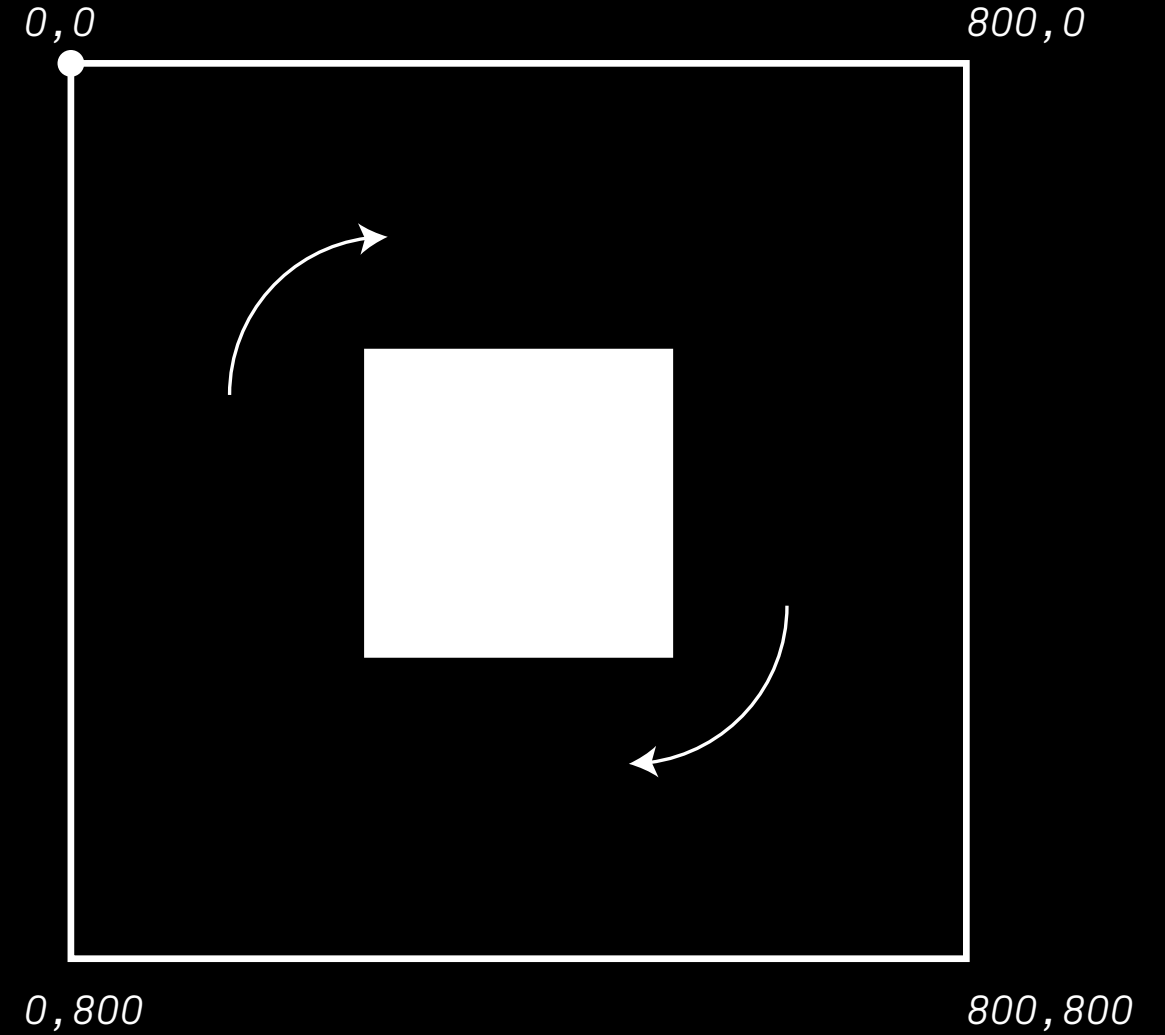
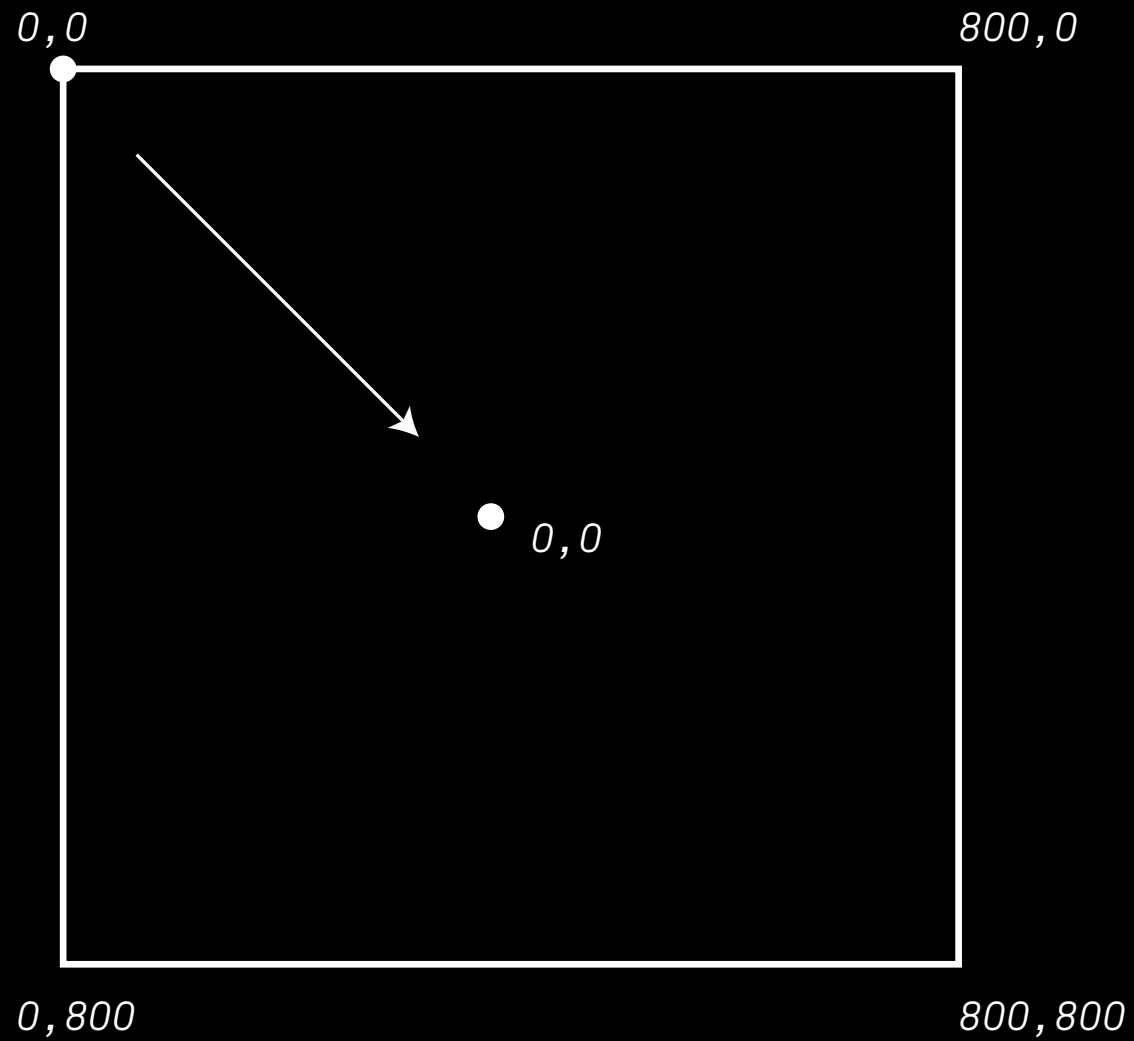


rotate(radians(90));

ROTATION IN THE CENTER

1// TRANSLATE TO CENTER

2// ROTATE



INDEPENDENT ROTATIONS/TRANSFORMATIONS

ENCAPSULATE WITH:

pushMatrix();

popMatrix();

```
pushMatrix();  
translate(-200, 0);  
rotate(angle);  
rect(0,0,200,200);  
popMatrix();
```

```
pushMatrix();  
translate(200, 0);  
rotate(angle*2);  
rect(0,0,200,200);  
popMatrix();
```

