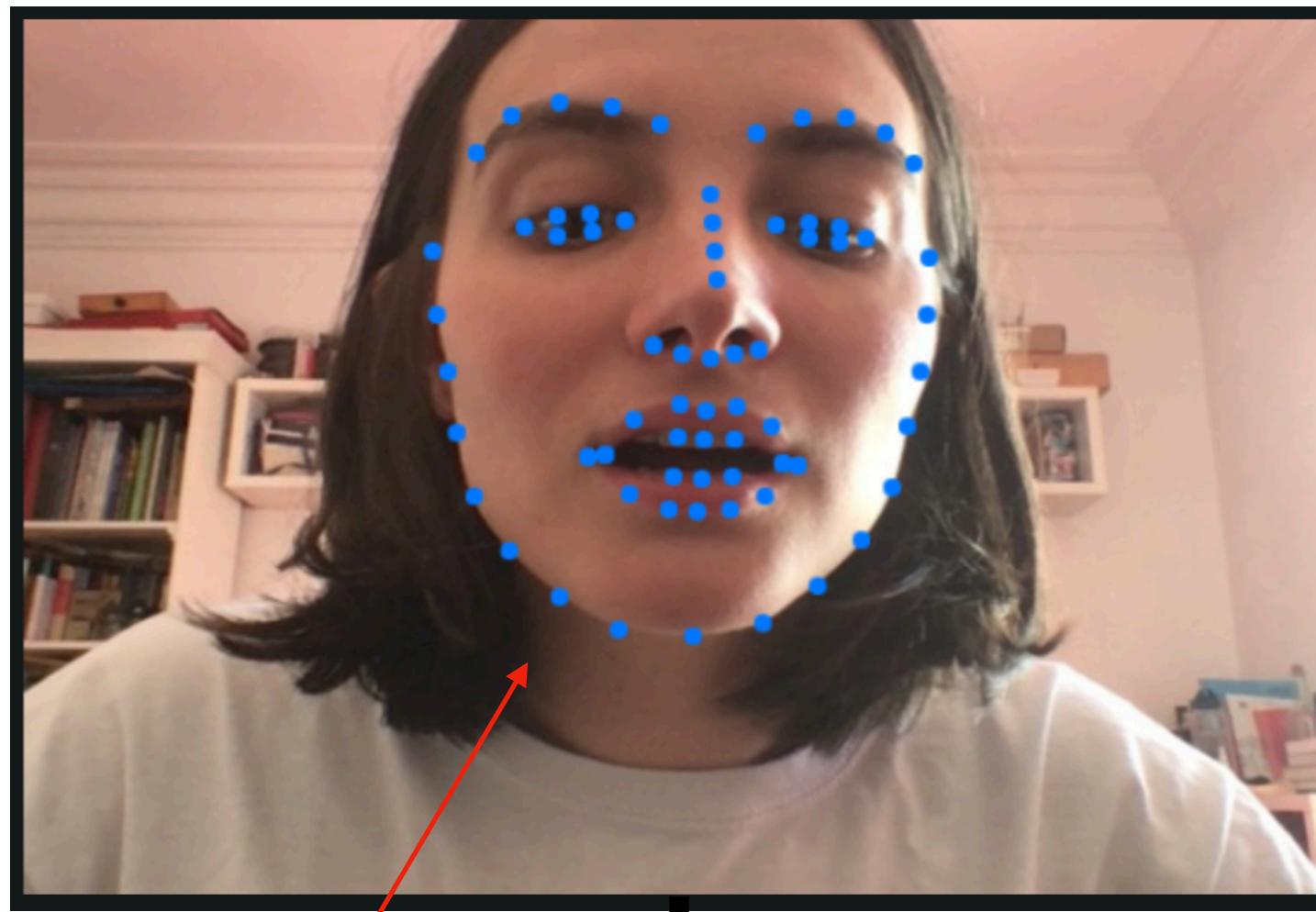


# RunwayML

face landmarks model (requires Docker)



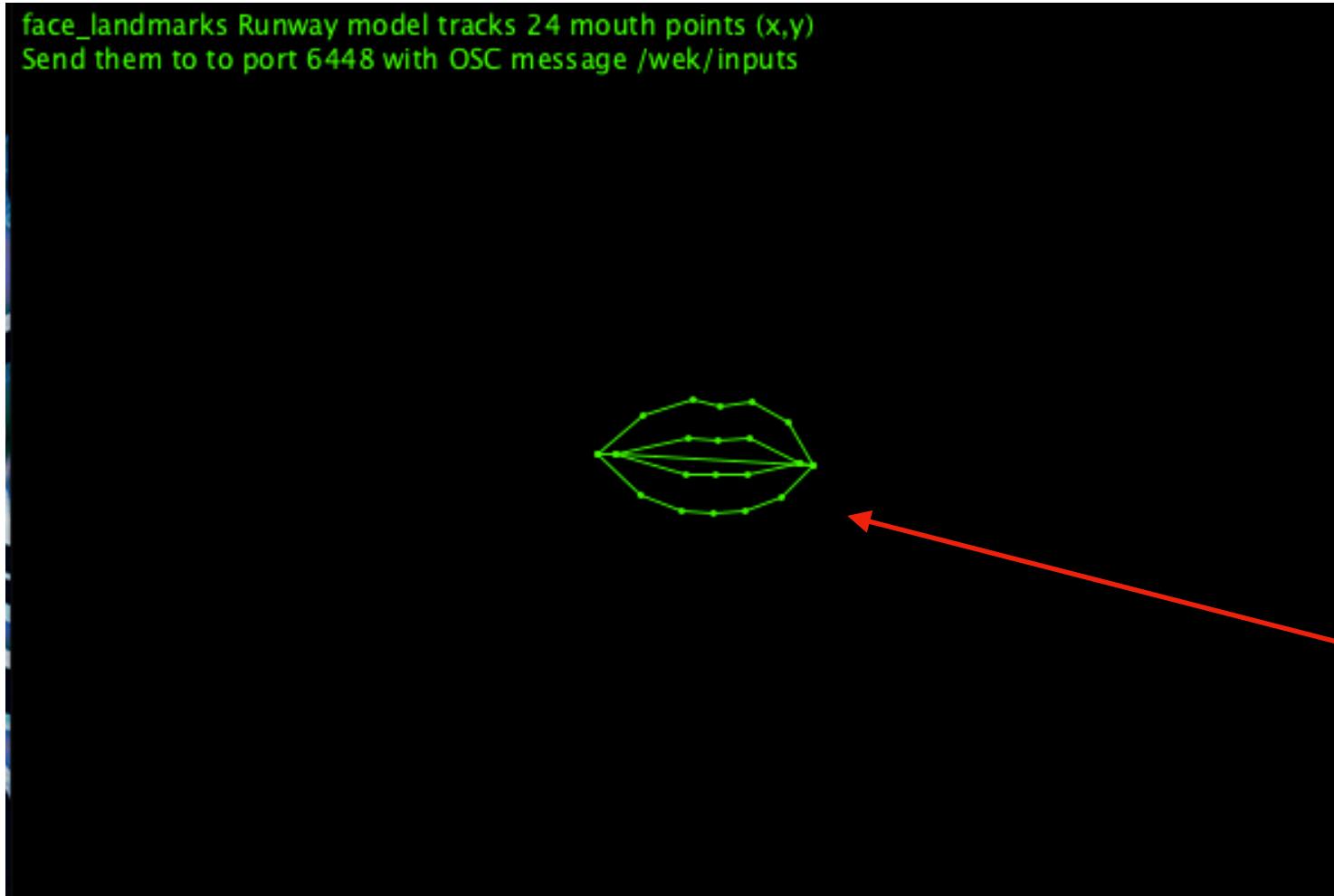
72 points

OSC

Processing

extracts mouth points and displays

face\_landmarks Runway model tracks 24 mouth points (x,y)  
Send them to port 6448 with OSC message /wek/inputs



24 points

# MOUTH-CONTROLLED FM SYNTH

# AID CHALLENGE 4

## TERESA PELINSKI

### Wekinator

receives 48 inputs (mouth x-y point pairs) and sends 3 outputs (modulation control parameters)



$Y = f(X) : \text{OUTPUT}$   
3 values

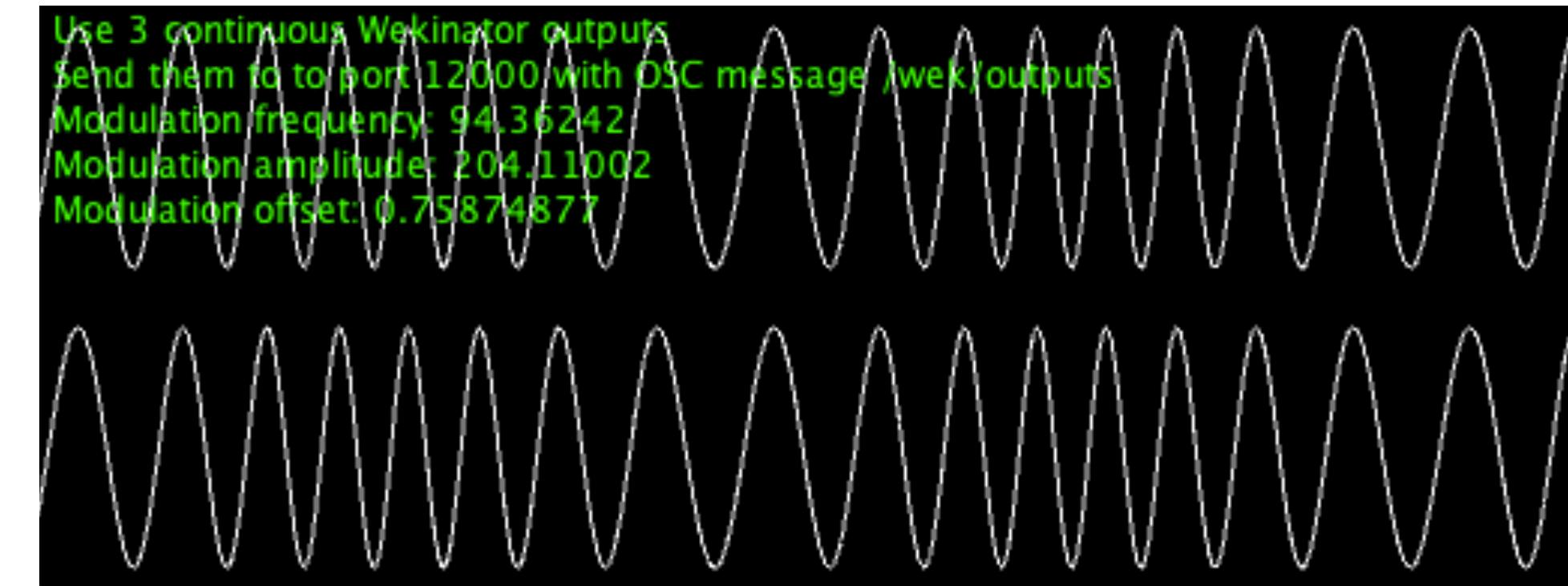
trained  
model:  $f$

X : INPUT  
48 values

OSC

### Processing

modulates sound wave using the 3 outputs  
received from wekinator



OSC