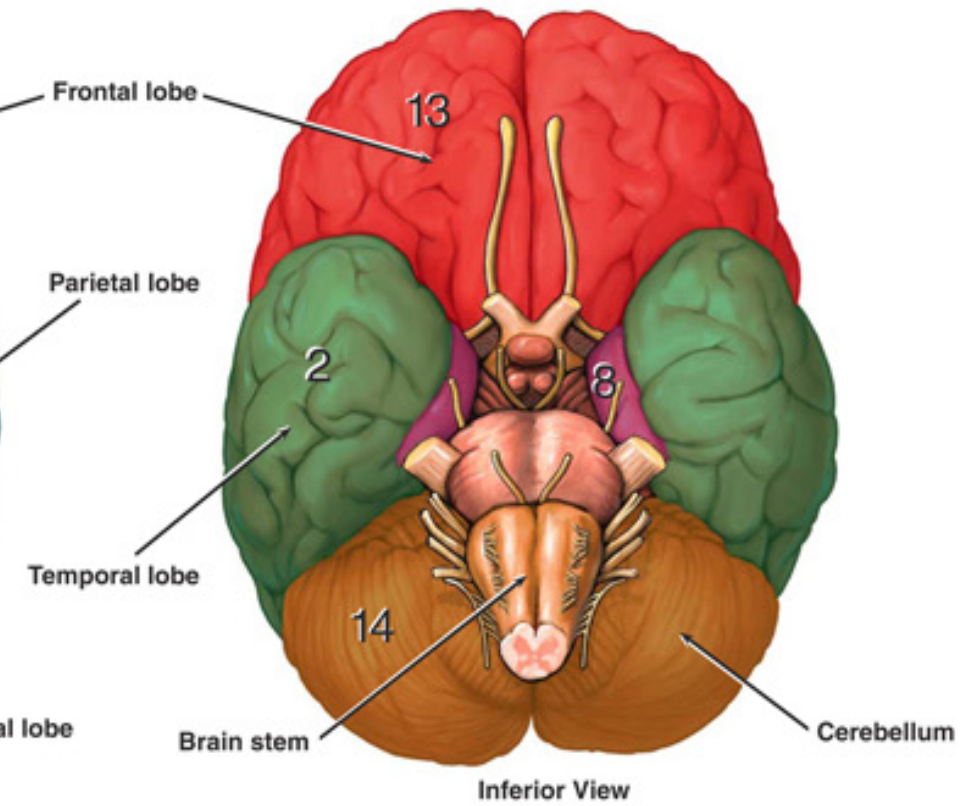
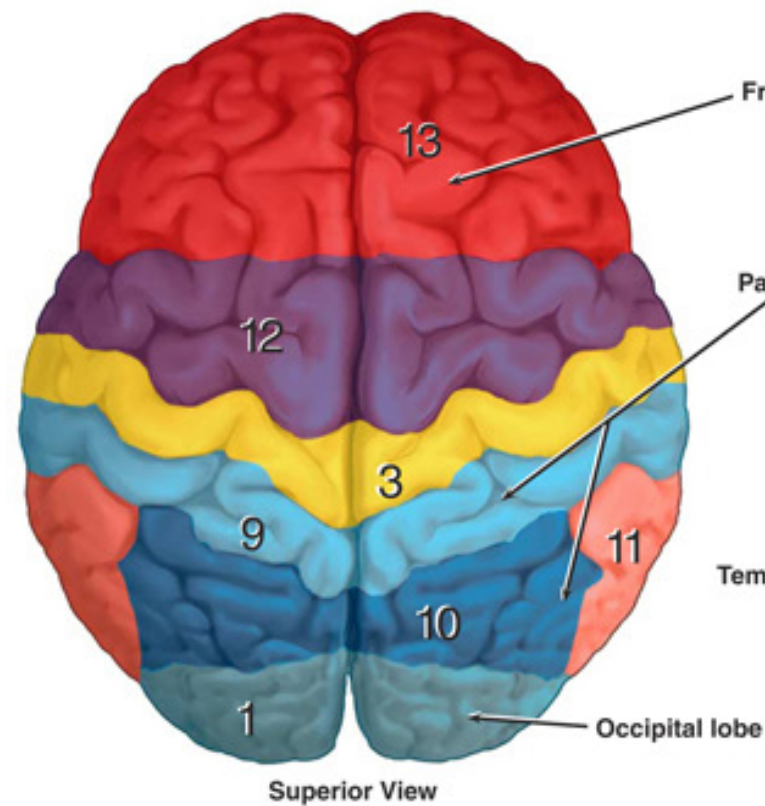
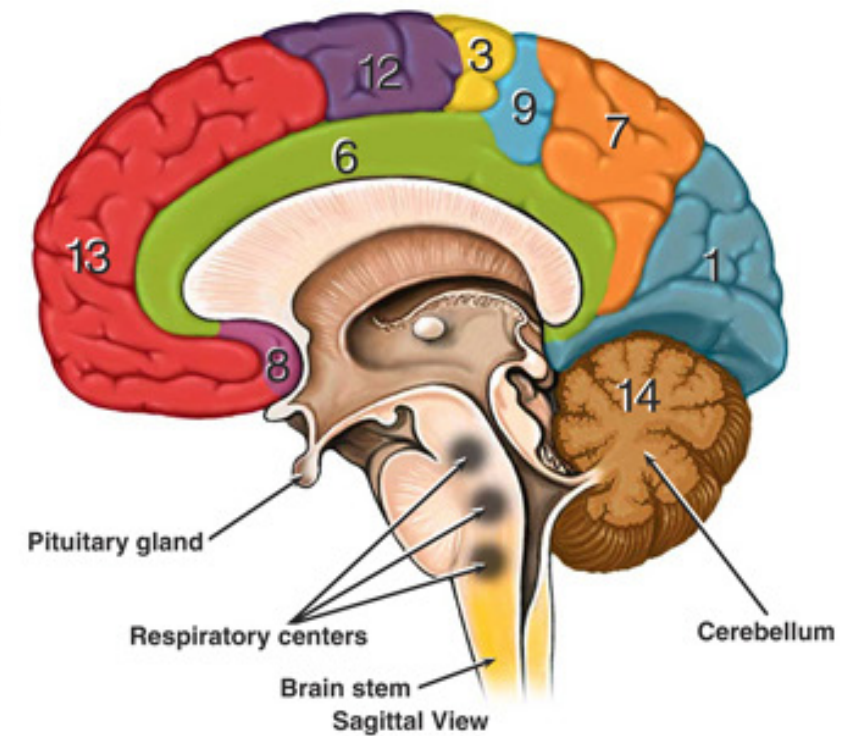
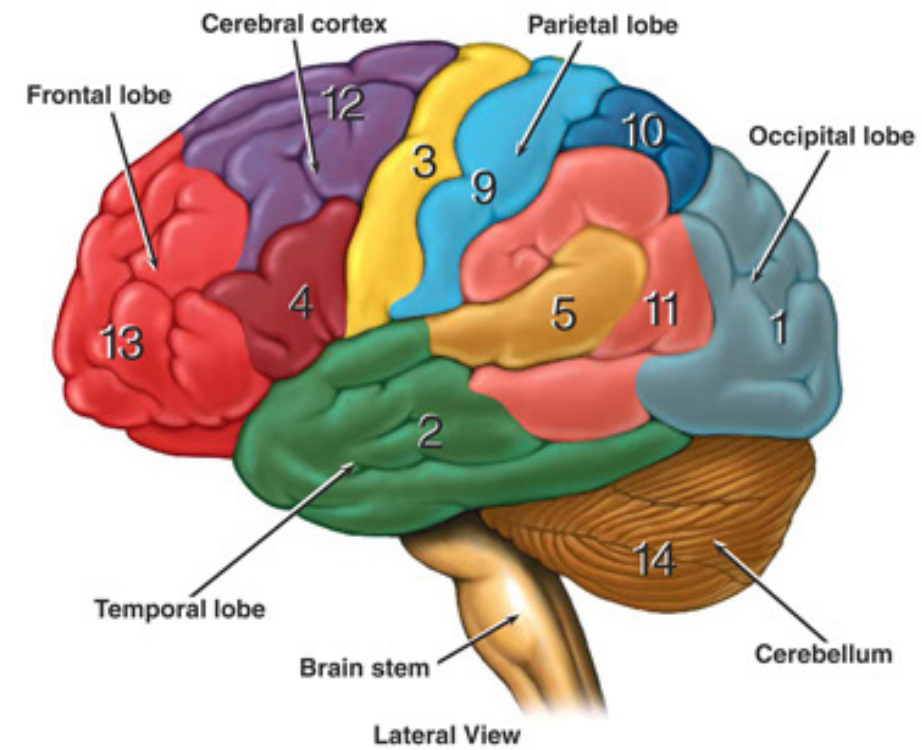
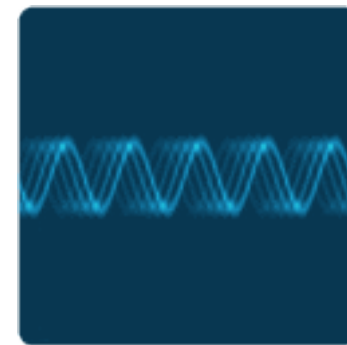
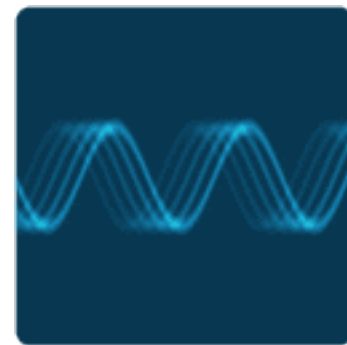
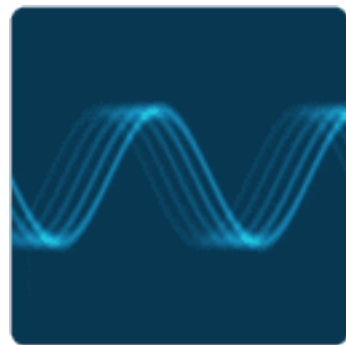
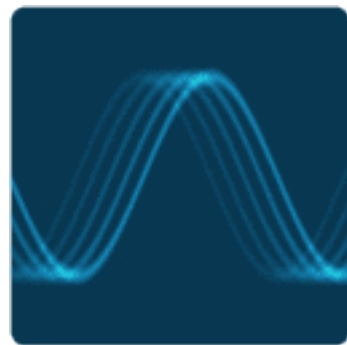
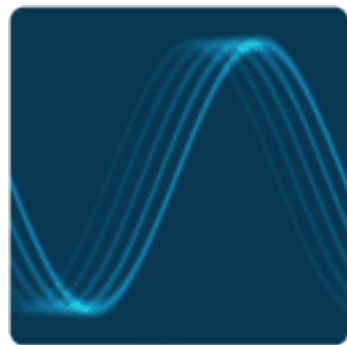
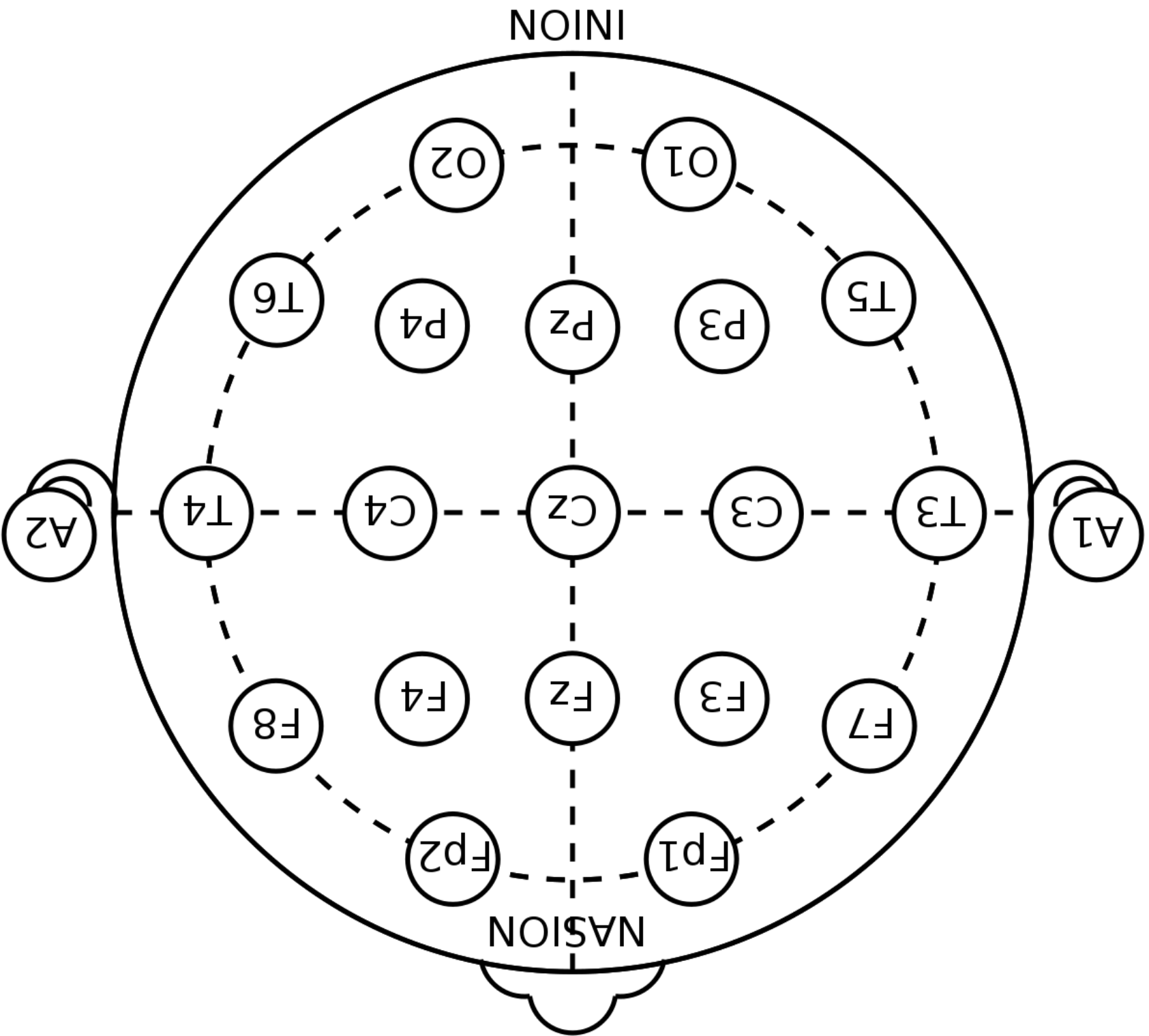


- Functional Areas of the Cerebral Cortex**
- 1 **Visual Area:**
Sight
Image recognition
Image perception
 - 2 **Association Area**
Short-term memory
Equilibrium
Emotion
 - 3 **Motor Function Area**
Initiation of voluntary muscles
 - 4 **Broca's Area**
Muscles of speech
 - 5 **Auditory Area**
Hearing
 - 6 **Emotional Area**
Pain
Hunger
"Fight or flight" response
 - 7 **Sensory Association Area**
 - 8 **Olfactory Area**
Smelling
 - 9 **Sensory Area**
Sensation from muscles and skin
 - 10 **Somatosensory Association Area**
Evaluation of weight, texture, temperature, etc. for object recognition
 - 11 **Wernicke's Area**
Written and spoken language comprehension
 - 12 **Motor Function Area**
Eye movement and orientation
 - 13 **Higher Mental Functions**
Concentration
Planning
Judgment
Emotional expression
Creativity
Inhibition
- Functional Areas of the Cerebellum**
- 14 **Motor Functions**
Coordination of movement
Balance and equilibrium
Posture

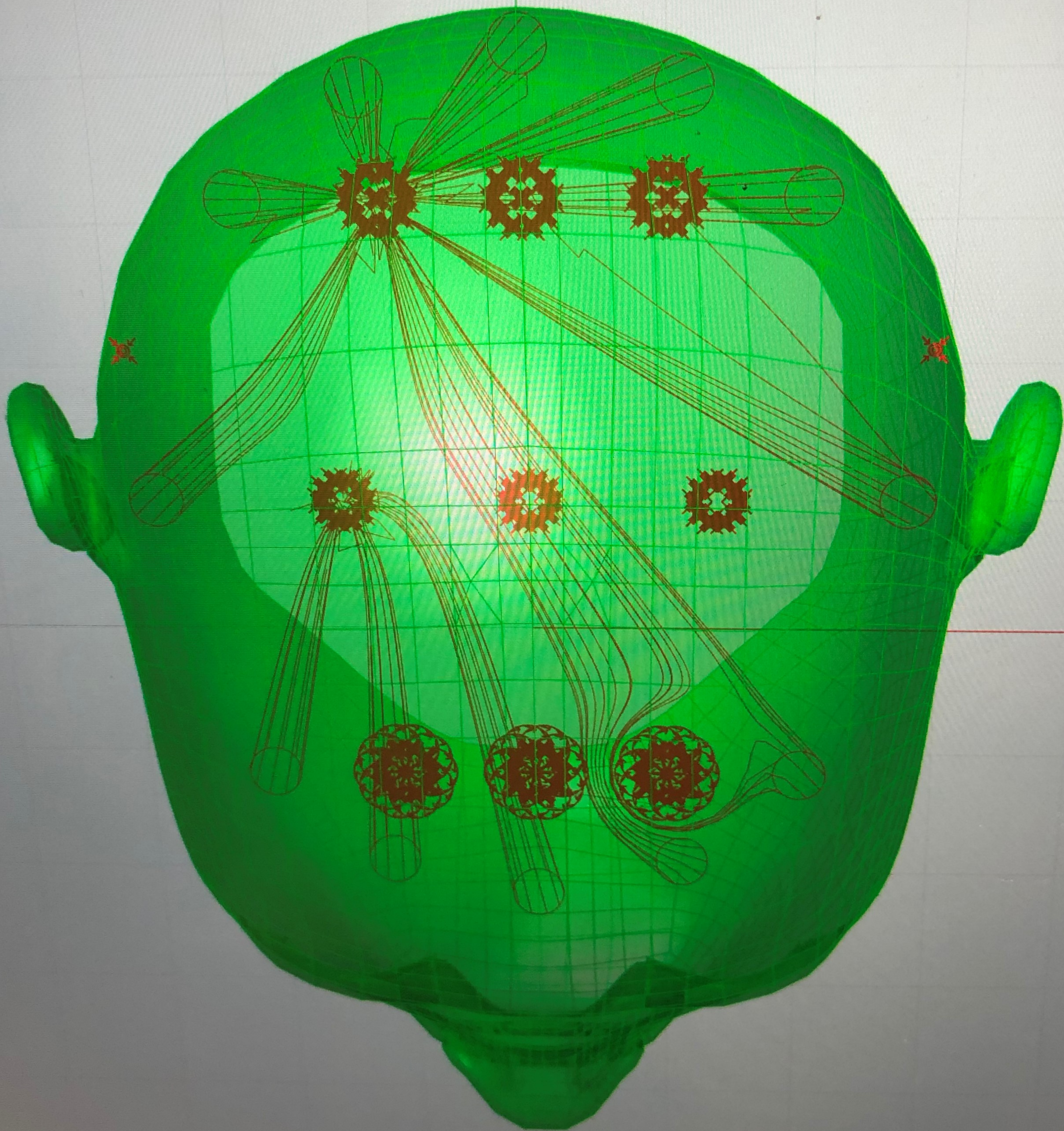


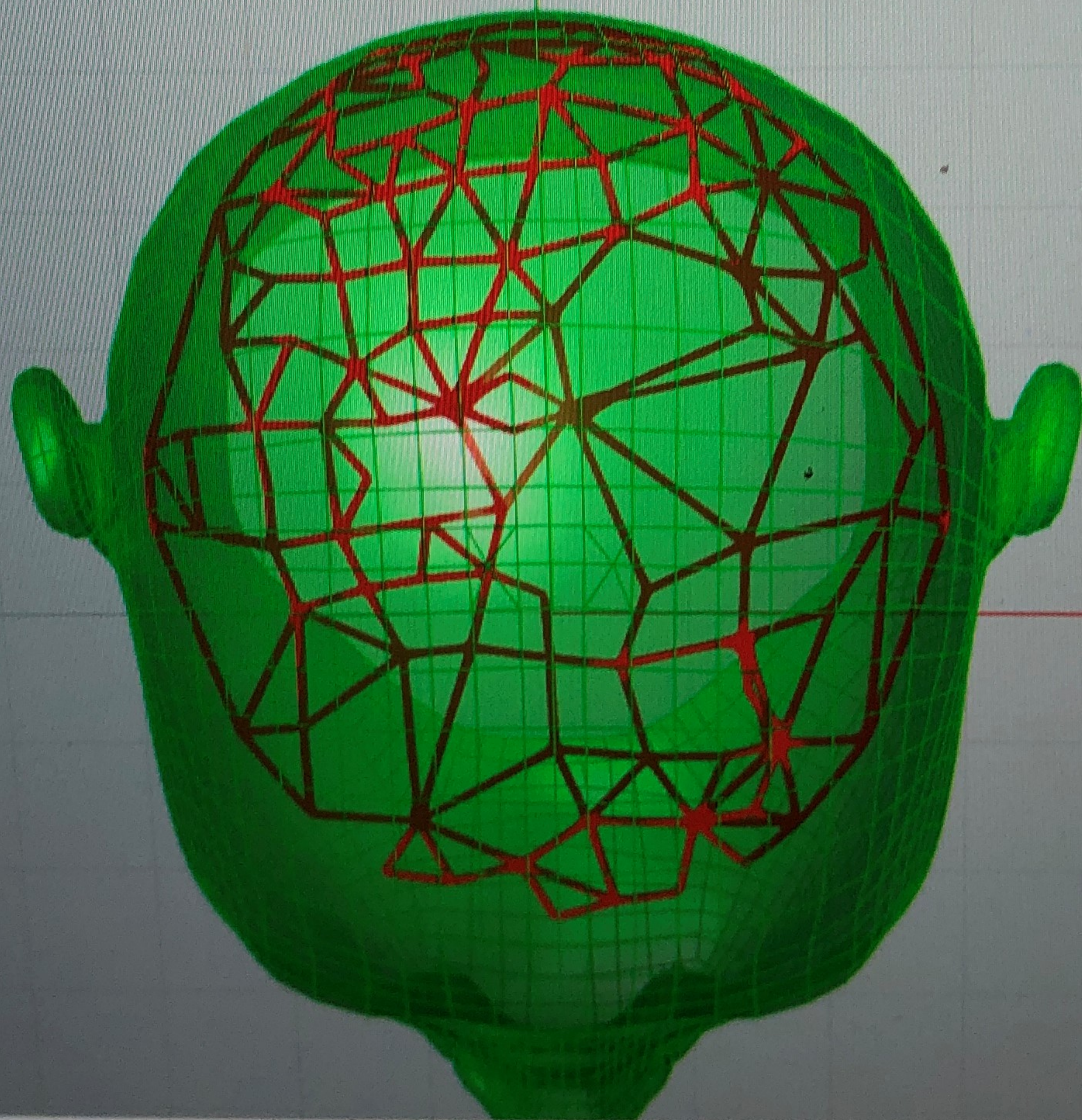


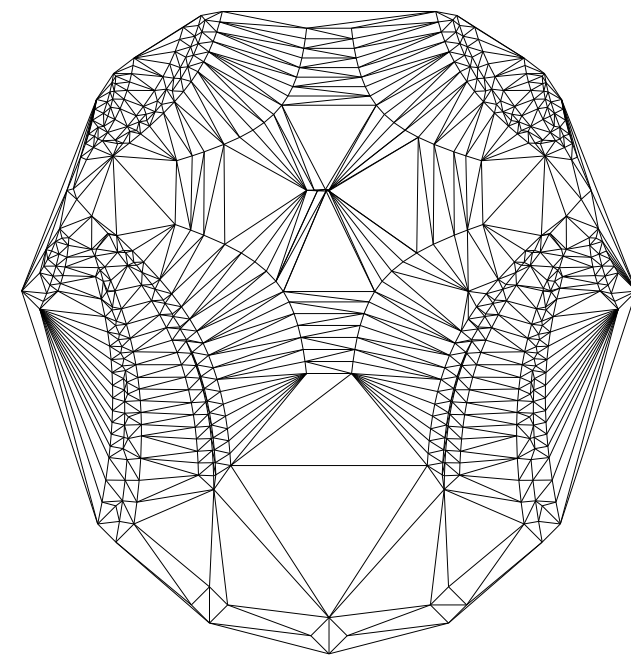
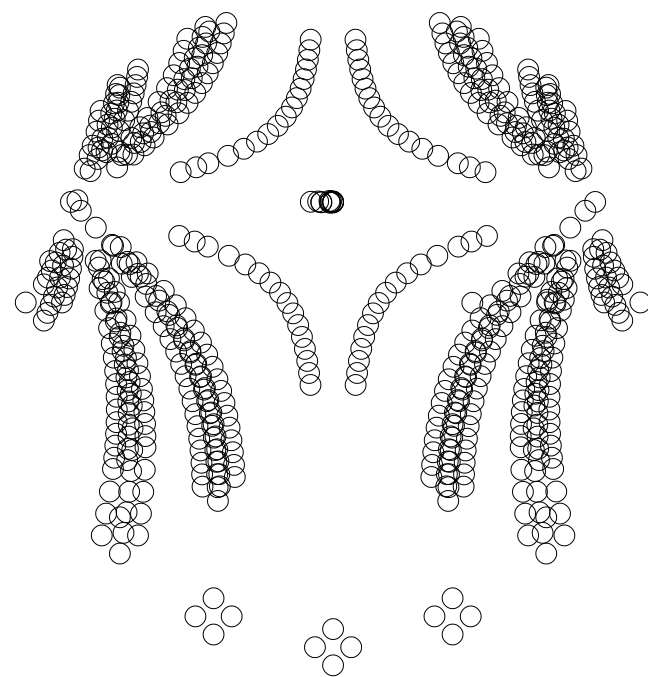
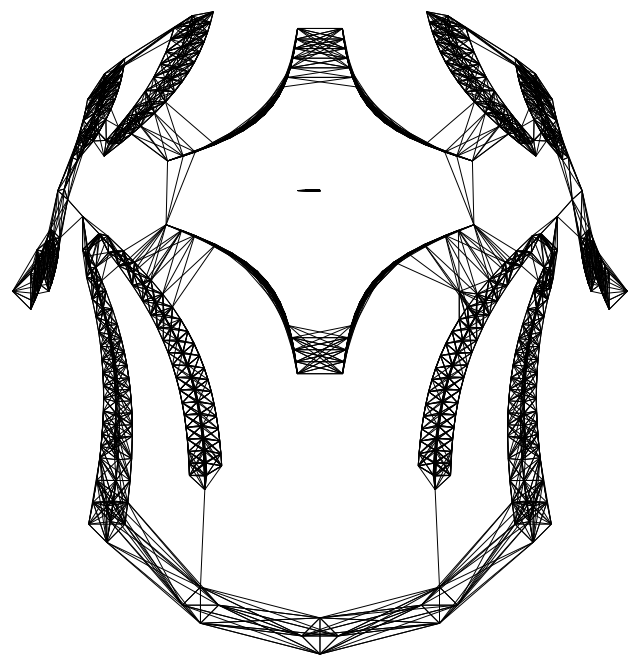
brain waves



electrode placement







emergent geometries