

Humans modeled as computers

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1 Question

What do humans modeled as computers look like?

2 Answer

- Numerous processes all running in parallel in different regions of the body (heartbeat, breathing)
- The brain runs multiple processes at once, each processing a different modal input (sight, taste, touch, hearing, smell)
- Those processes are buffered and a process takes care of synchronizing the different input streams to create a coherent flow of information
- Spinal cord and nerves are network cables, transferring information from the limbs and other regions of the body to the main processing unit (the brain)
- The eyes are digital cameras that can see into the world
- The ears are microphones that can listen to a limited range of frequencies
- Touch is complex as it deals with textures, temperatures, pressures, however it can likely be modeled as a surface with discrete elements that measure a few things such as the force currently applied on it, the temperature, moisture
- Taste and smell are also complex as they are specialized receptors that will create different fragrances based on the distribution of particles that are perceived (and that can be recognized)
- The arms, legs, hands, feet are actuators used to interact with the environment
- The stomach and intestine are the power supply
- Neurons throughout the body act as distributed memory and storage

3 References

- [Deconstruction of a mind](#)
- [Humans as machines](#)
- [Senses](#)
- [The brain](#)