

What differentiates human intelligence from Artificial Intelligence?

Software can write sonatas and chatbots seem to know what we are thinking before we do – is the rise of the machines at hand? Sophisticated artificial neural networks, modelled on the human brain, can convincingly talk to us, learn, and maybe even create.

This project will construct and implement a neural network that has been designed to write musical melodies and investigate the philosophical implications of an artificial brain that has the attributes of a human mind.

We say that machines have intelligence, but we do not equate this intelligence with thinking. This paper will consider other differentiators between humans and machines - in particular, the ability to create, originate and build.