

A network diagram is overlaid on the text. It consists of numerous circular nodes in shades of purple, pink, orange, and yellow. These nodes are connected by thin, semi-transparent lines of corresponding colors, creating a complex web that spans across the entire text area. The lines and nodes vary in opacity, with some appearing more prominent than others.

The searched term refers to the ability of a digital computer or computer-controlled robot to perform tasks commonly associated with intelligent beings. Since the mid-20th century, scientists have attempted to develop a system capable of carrying out tasks perceived as requiring human intelligence. Among the tasks that have been studied from this point of view are game playing, natural-language understanding, fault diagnosis, robotics, and supplying expert advice.