

The background of the image features a series of colored dots (purple, pink, orange, and yellow) connected by thin lines, creating a network-like pattern that spans the entire width of the image. The dots are of varying sizes and are positioned at different heights, giving the impression of a dynamic, interconnected system.

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.