## **Learning to Discover**



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## The five walls of Artificial Intelligence

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Artificial intelligence is advancing at a very rapid pace in both research and applications, and is raising societal questions that are far from being answered. But as it moves forward rapidly, it runs into what I call the five walls of AI. Any one of these five walls is capable of halting its progress, which is why it is essential to know what they are and to seek answers in order to avoid the so-called third winter of AI, a winter that would follow the first two in the years 197x and 199x, during which AI research and development came to a virtual standstill for lack of budget and community interest. The five walls are those of trust, energy, safety, human interaction, and inhumanity. They contain a number of ramifications, and obviously interact. I will present them in sequence and discuss some avenues to avoid a fatal outcome for AI.

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