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# Thinking Recursively, Rethinking Corecursively

Wed. November 18 in Wilder 101 at 4:00 PM

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## Finding A Better Metaphor for Understanding Systems

Recursion and Corecursion are two different ways of defining functions, but they are often used as a metaphor for how certain parts of the world work. Recursion is the idea that the behavior of something is determined by its fundamental parts. Corecursion is the idea that something is determined not by its fundamental parts, but by how it appears in various contexts. In this talk, I will show how recursive thinking underlies many problematic philosophical stances across the sciences, and how these problems can be resolved by thinking corecursively.