

Project Summary

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Selah Lynch is working with Jim Crutchfield studying how certain shortcomings in a learning machine affect how it sees its environment and thus the model it constructs of its environment. In her studies the environmental input has been reduced down to bit strings "0100110." She is using the concept of epsilon-machines as well as Shannon entropy and related concepts to actually quantify learning that has taken place and how it is affected by parameters such as memory.