## **Cycling Through Paradigms**

Pascal Michaillat https://pascalmichaillat.org/c2/

Thomas Kulm Scient. fic progress is not linear, is not simply cumulative Scientefic progress is cyclical some things get lost in the process

2 phases of prientific progress :

Namel science Based on a prevaeling paradigm, which is universally accepted Cationate they parameters of model Evaluate predictions of model 1 refine | articulate model further Collect anomalies / puzzle that cannot be easily explained by model (without complications)

One of the competing paradigning is widely accepted by community

Too many anomalies are accumulated

Revolutionary science New paradigms emerge, and compete with existing paradigms One of the objectures of the rew paradigms is to resolve the anomalies that have accumulated But angumentation also plays a role