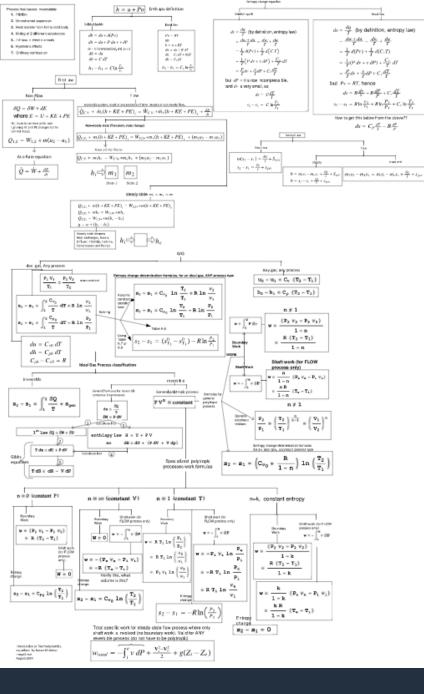
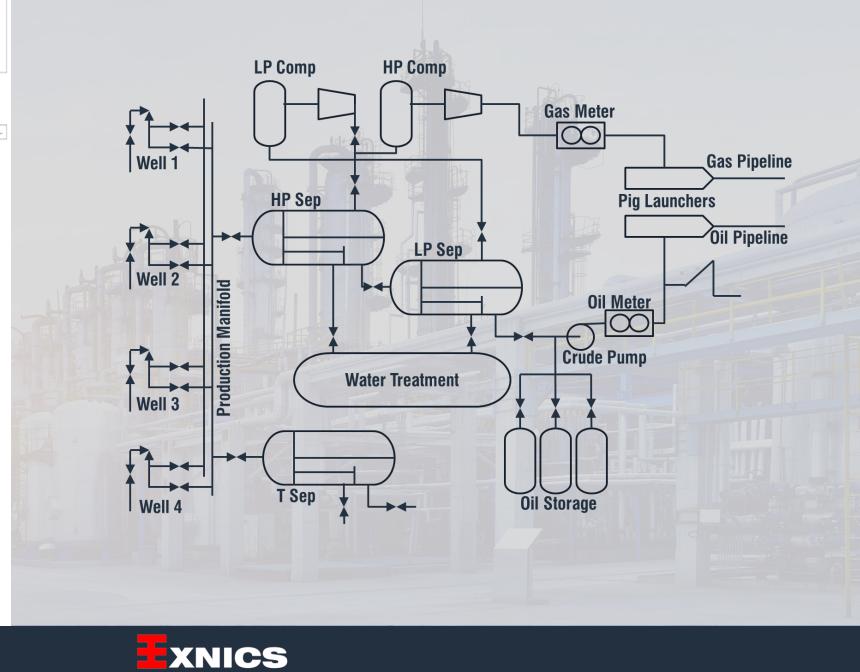
DATA USAGE AND ANALYTICS

Do we have data?

-







$Y = x \tan (\Theta) + \frac{g x^2}{2 u^2 \cos^2 (\Theta)}$

Flight trajectory formula





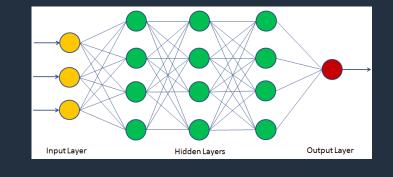
To successfully catch a ball we instead solve the situation as an embodied mind



Symbolic Mathematical Representations

$$PV = NRT \rightarrow \frac{Pv}{RT} - 1 = 0$$

Neural Mathematical Representations





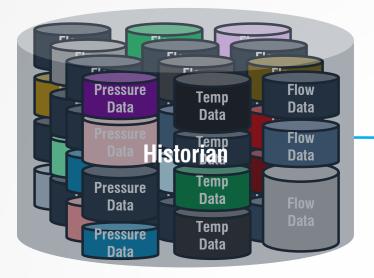
Symbolic Mathematical Representations

Closed, fixed, brittle

Neural Mathematical Representations

Open, learns, plastic



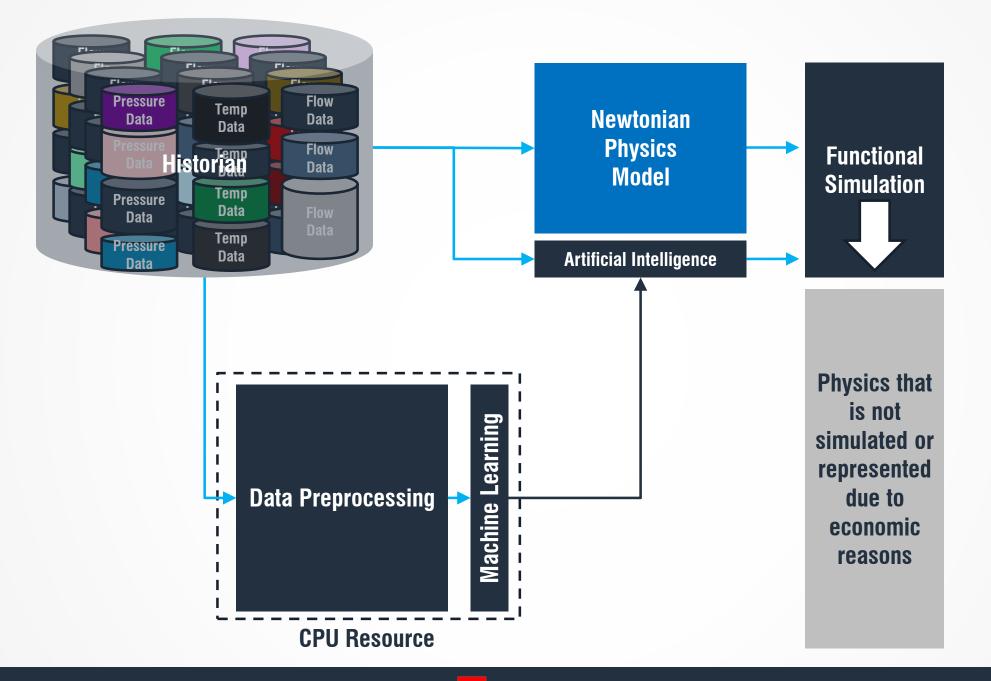


Newtonian Physics Model

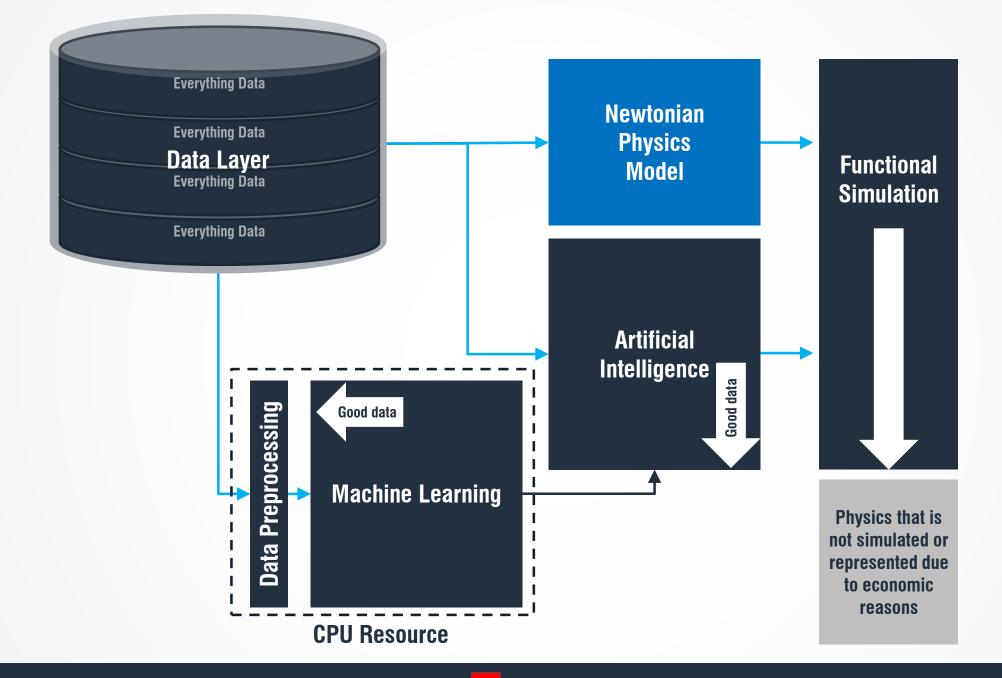
Functional Simulation

Physics that is not simulated or represented due to economic reasons











THANK YOU

