Kaffee TTT + III

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How to develop scientific models?

Problem: How to validate model
1. Solving polynomials

2. Building models

Model

$y = ax + b$

$y \in \mathbb{R}$, $a, b \in \mathbb{R}$

Solve

$\text{solve}$

Real model

$\text{func}$

$\text{solve}$

$\text{func}$

$\text{integrate}$

$\text{model}$

$\text{model}$

$\text{model}$

$y = \text{line}(x)$

$\text{min} \ y - y_{||}$

$\text{deduce}$

$\text{solve}$

$y \in \mathbb{R}$
Problem = build & evaluate model

I don't know how to return!

Solution II
I have a model and I have confidence in the model.

Model

leap

spec

test

model
What should a lab look like?

- Quality of audit process
- Improvement
- Table model

Real world ↔ Ideal world
What is my theory?

Thesis

Chad Vleugels

Cann theory (Beukers & Rogers, 1983)

\[ \text{CSH} \]

\[ \text{CST/TSI} \ (Flood & Jackson, 1991) \]

Game

[Diagram with arrows and labels: CSF, CST, Metaplus, Metahype, SSM]
Chapter 1.

RQ1 = Why is [insert question]?
   (Further development)

RQ2 = What should we do? (Kedourie)