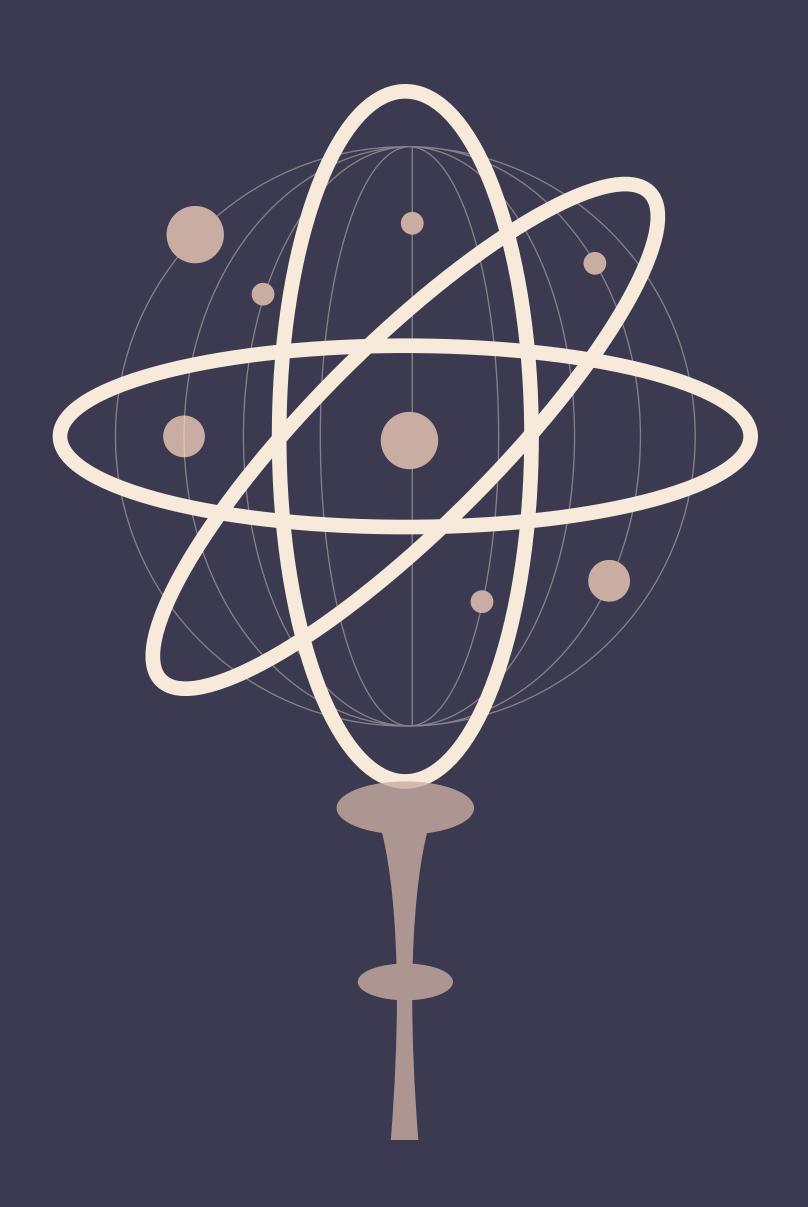
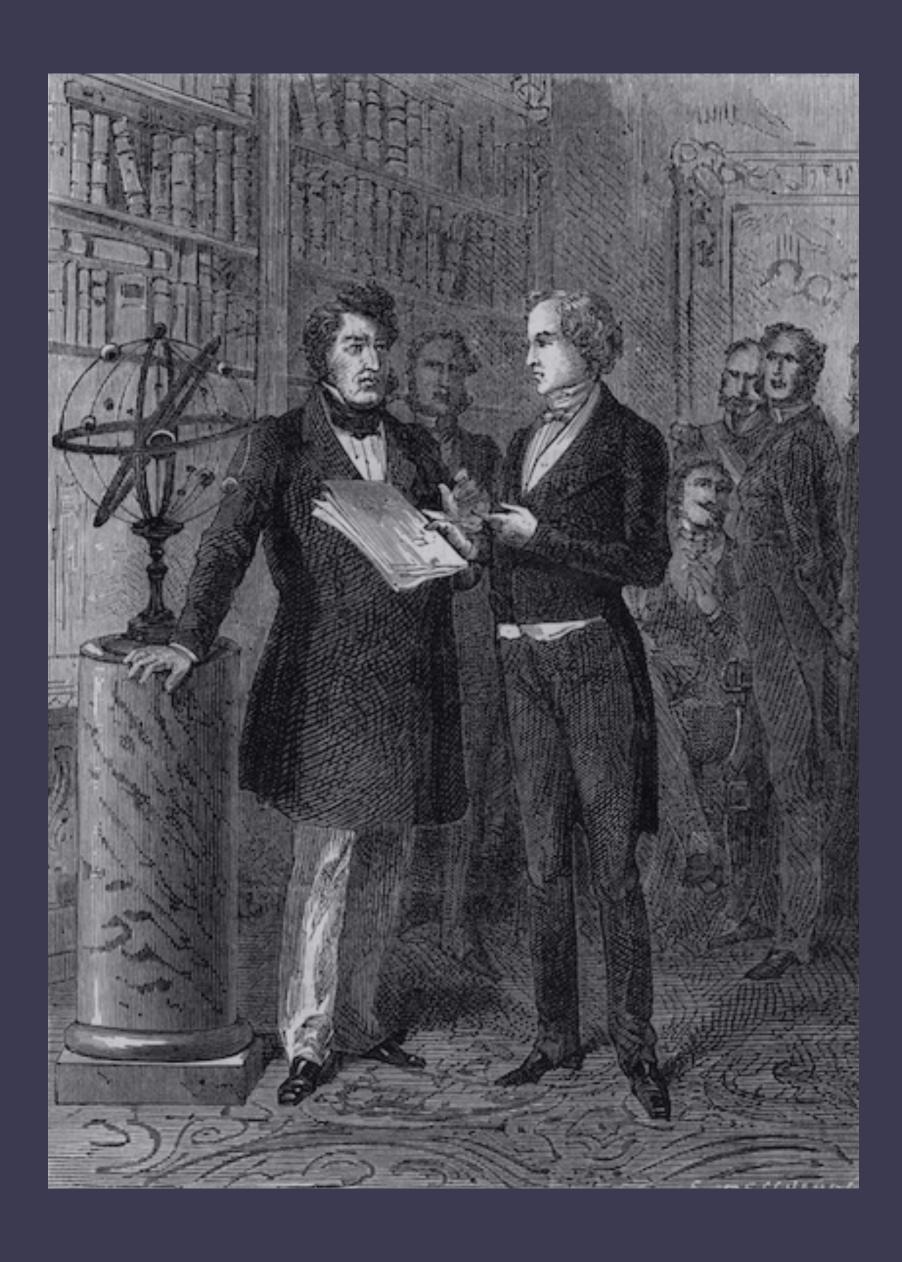
a working theory of components

@elyseholladay

d K

Principia Mathematica







au bout de sa plume

If the tables do not strictly agree with the observations, we will certainly not be tempted to charge the law of universal gravitation with inadequacy.

— URBAIN LE VERRIER

constant iteration

the tools we have today didn't exist 10 years ago

changing the way we conceptualize our work

The system's promise is enabling a consistent experience spread across products and sustained with a dependable, predictable practice.

— NATHAN CURTIS

Midification De (Broth de la Manute on portaret de d'= 0,51 of de l' 200 graden pour premier appropriention formate that trujum from type à 0,0001 four unite, à what to mor calcular, que le l'or front production à X, \$1,51 + d h=m'(20,44 + 1,918 + 1,083 x) Si (n't-nt+2-2) Vinigalité conferendante de que findant par l'enter la la major de la thèle Clarte de la thèle Clarte égale à 9". ht x 38, 5187 x 0,82h = Colh (1,092.91) = 25, h . La format prévious sort orde de colle Lining that on 24 products from & ask orthogon 205, 19 x 0,55 gh x 0,95 h = 5/1,19 (7,056.81) = 27,8 has formed for the state of the st Sit n = $h_{...}^{9}7610$ & inogen ince 0^{6} anemal d'Uranes. On sura en grade : $n'=n\left(0,\int 1+\frac{d}{100}\right)^{\frac{1}{2}}$ $=n\left(0,\int 1\right)^{\frac{1}{2}}+\frac{d}{100}\left(0,\int 1\right)^{\frac{1}{2}}d+\frac{3}{90000}\left(0,\int 1\right)^{\frac{1}{2}}d^{\frac{1}{2}}$ oution n'= 1773ho + 070/100 h + 0,000.2/0 d2 from d=9 from t = 1 frameta' 17 78/8 of power d=9 framet n'= 1748 g2; nombre gui but any gain, trung sinternet pour n (0,/2) of n (0,/4). This com Tituina l'higatité : Eve m' (20,2h + 1,914 + 0,085 12) si f 87,22 - 5,0170 t + 0,011.00 att 0,00.01 att 12'}

Lydoppour le sieven par la franch:

1ik (x K) = lin x + (0,01/708) x (lox - (0,01/708) x 1ix x

lie ign lit. Trimor on refatebatte from (consit: 22 = 109 = 4' pour abigno 1
il forest un reglan 16' par 10 2' 66

Dis town Trains linigatité .

brotoppart le tinur par la premale :

112(x+K) = 11+x+(0,01/708) K (wx -(0,01/708) 2/12x

Partition the Derinate on refatelations

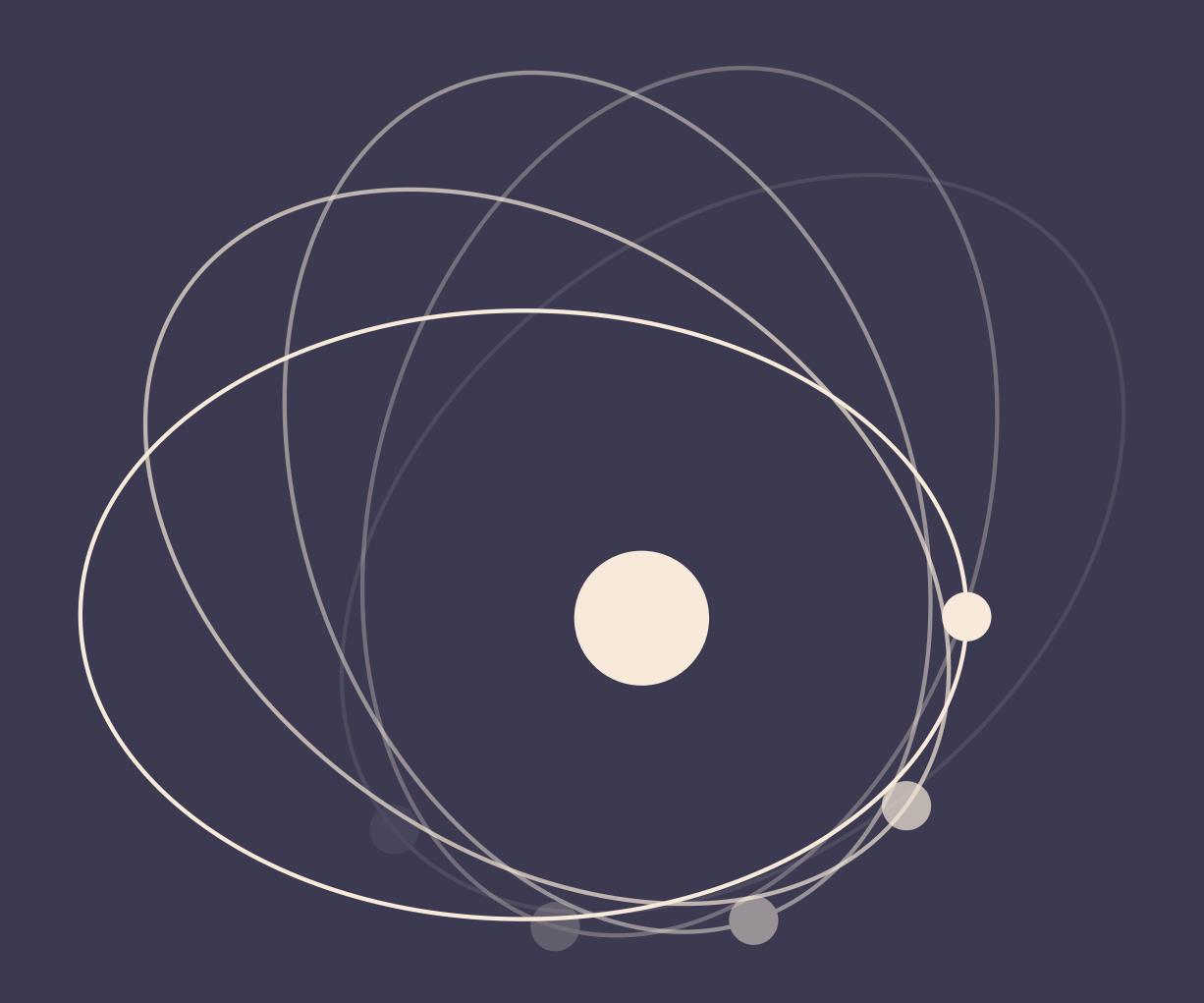
8v= m'/20,2h +1,811 +0,085 12) si f 87,22 - 3,0270t +0,01.00 dtro,000.0102t+ 82'}

The mathematical representations of Venus, Earth, and Mars all behaved properly.

The calculated version of each planet produced a chart that matched the one formed by the observational record of the three material planets making their way around the sun. One, though, obstinately refused to conform: Mercury.

77

 $-THOMAS\, LEVENSON$







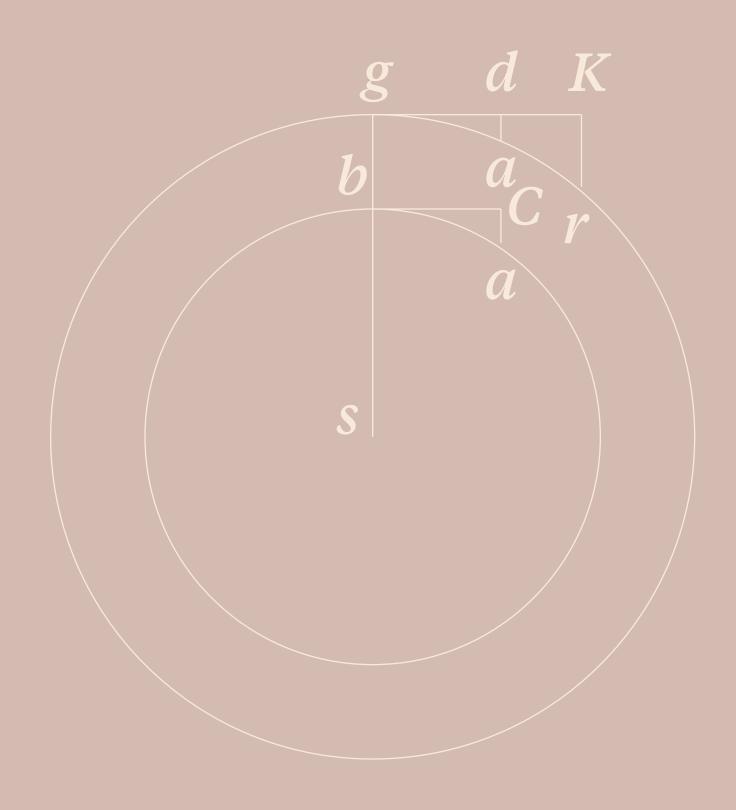
Vulcan fit the understanding of the world



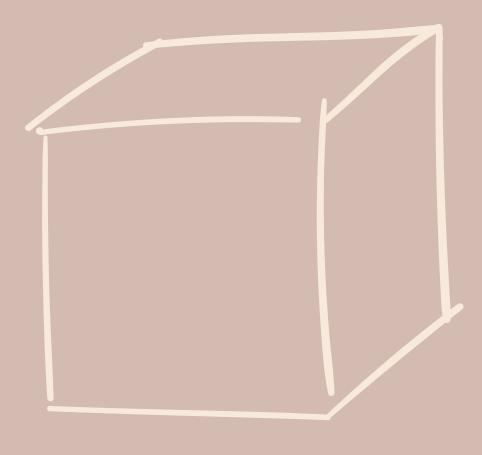
real science is a revision in progress, always

we're working towards the same core idea

the core idea



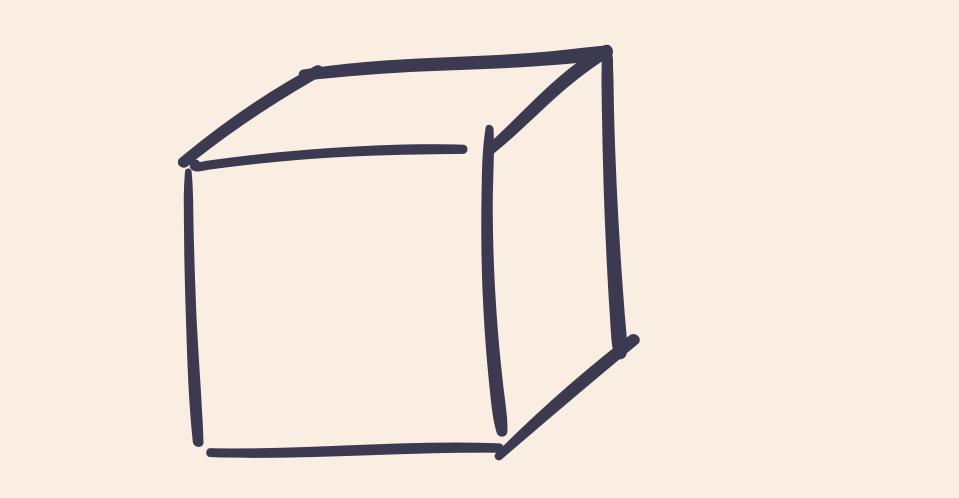
what makes a component useful?

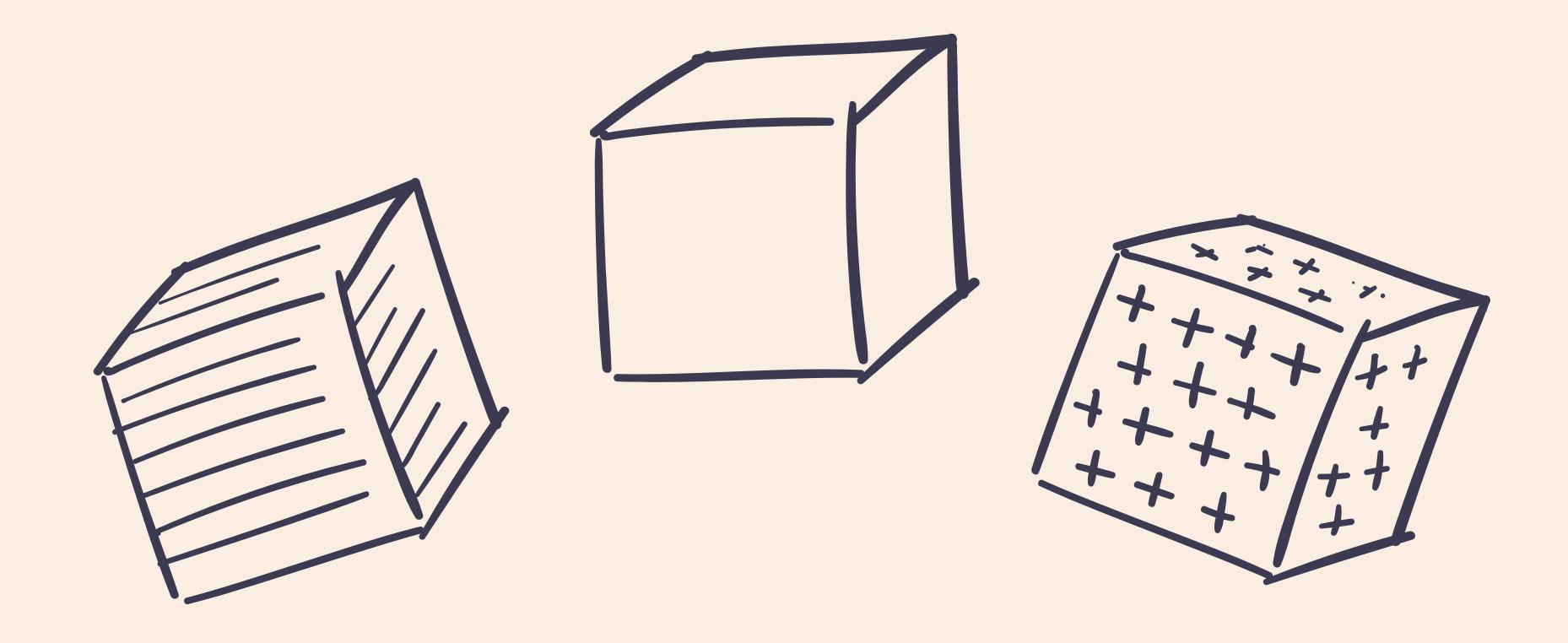


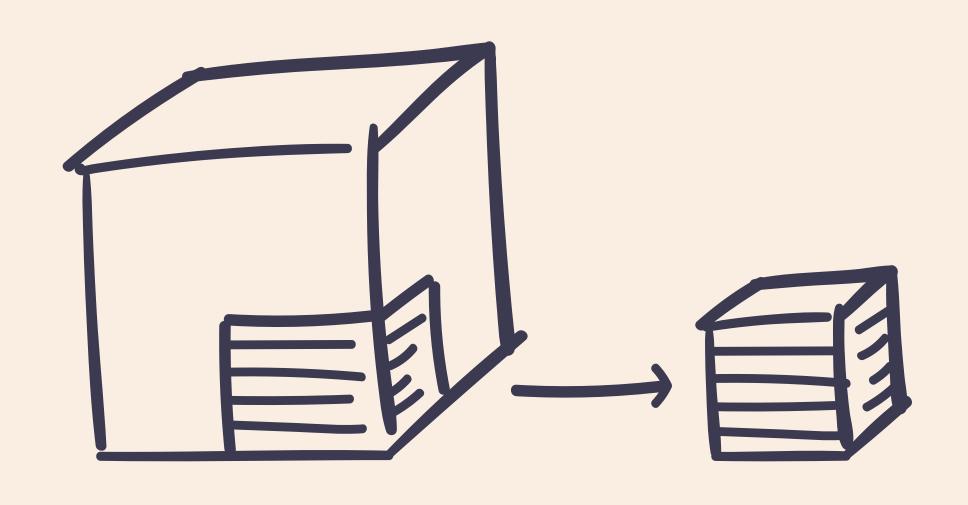
acomponent must be

- 01 easy to reason about
- 02 context agnostic
- 03 independent & isolated

01—easy to reasonabout

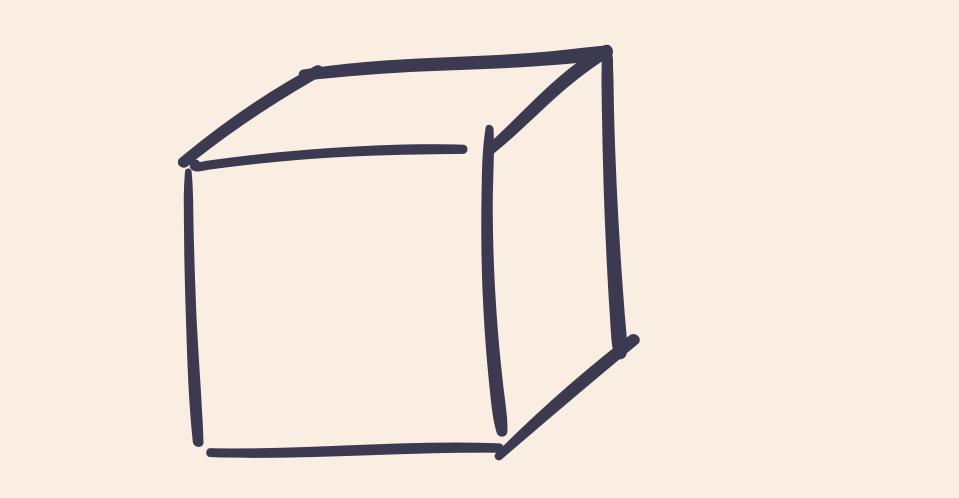


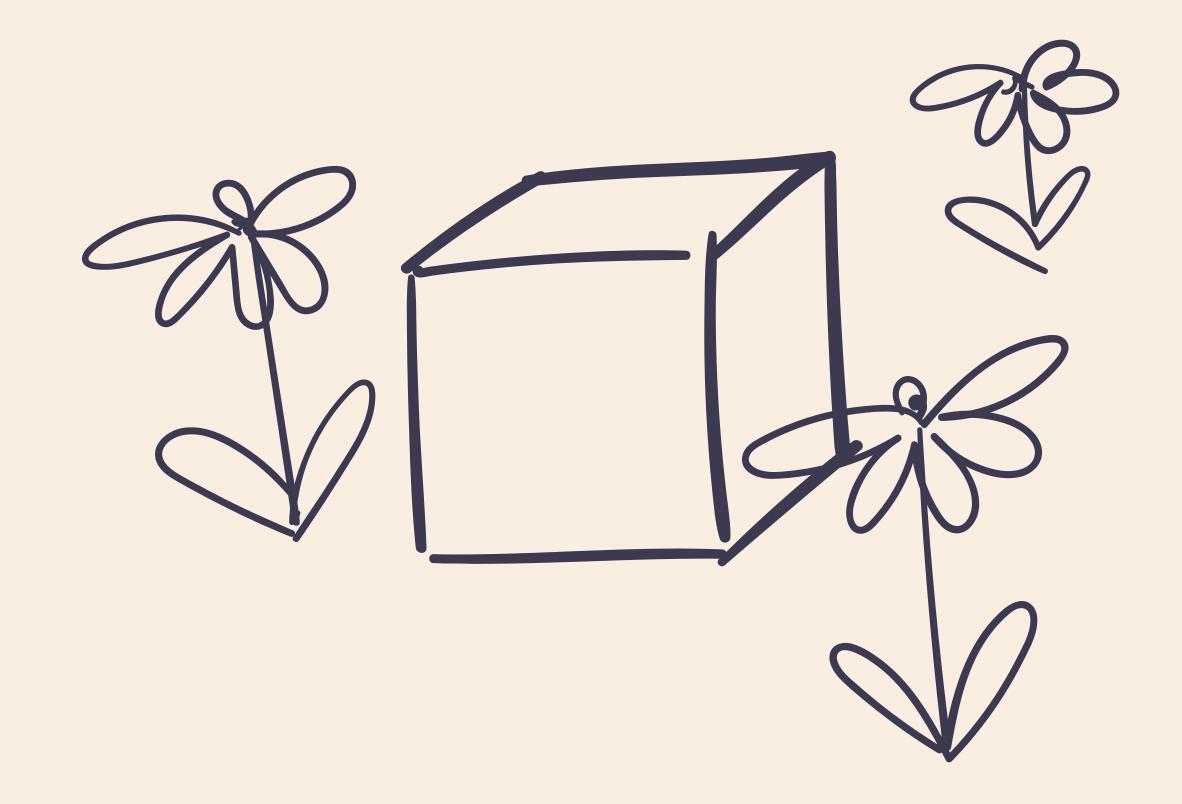


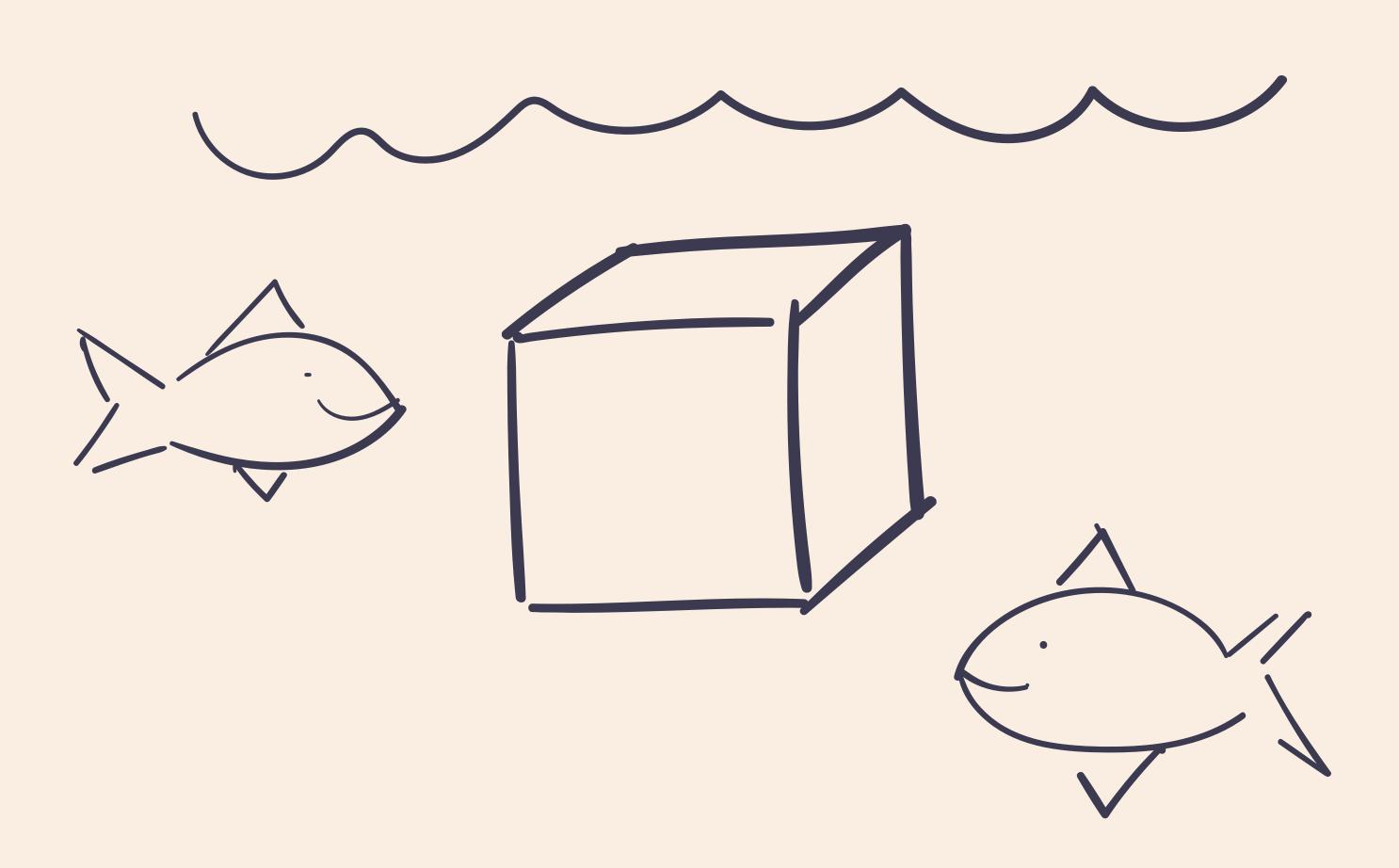


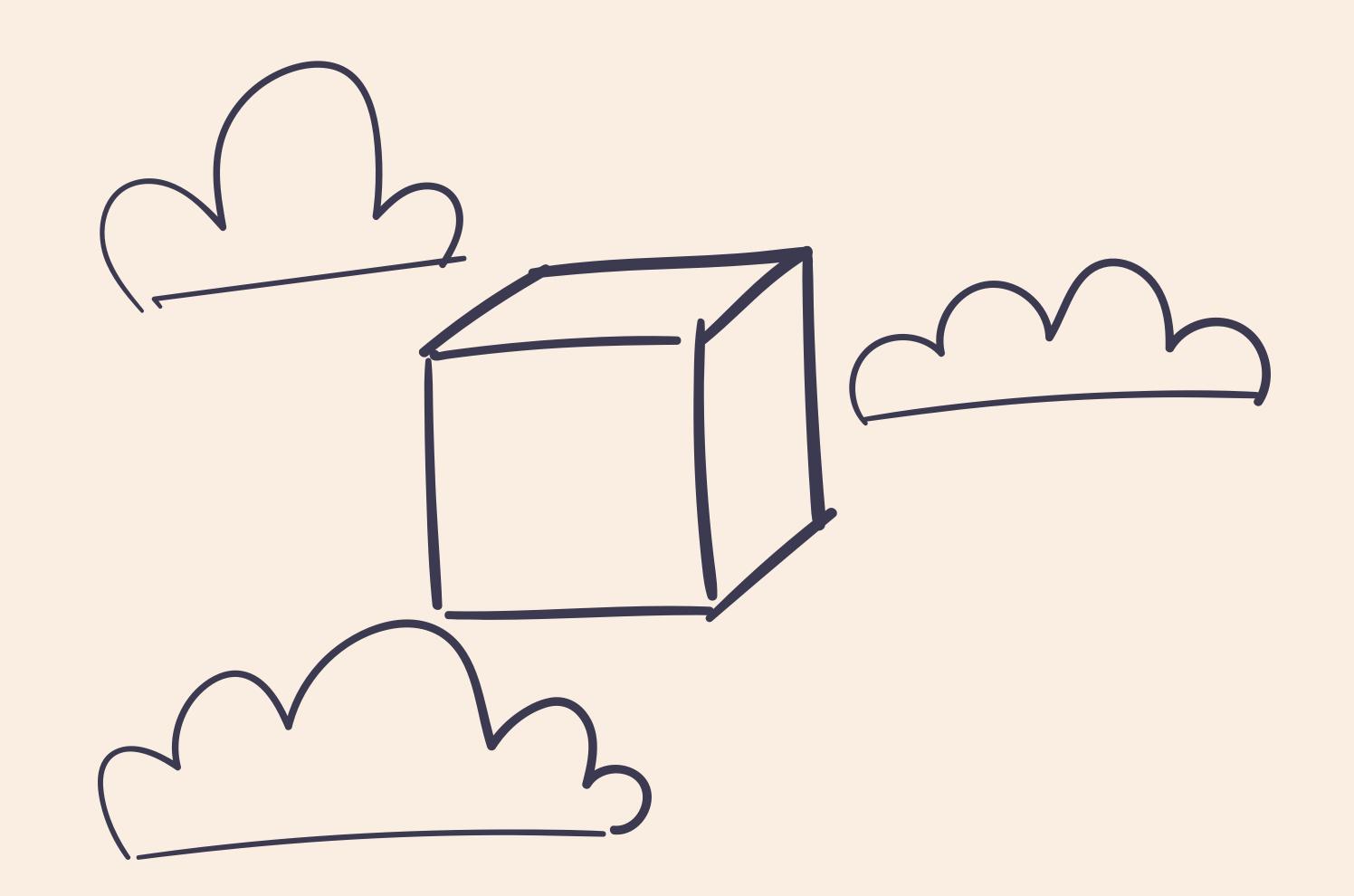
01—easy to reasonabout

02 — context agnostic



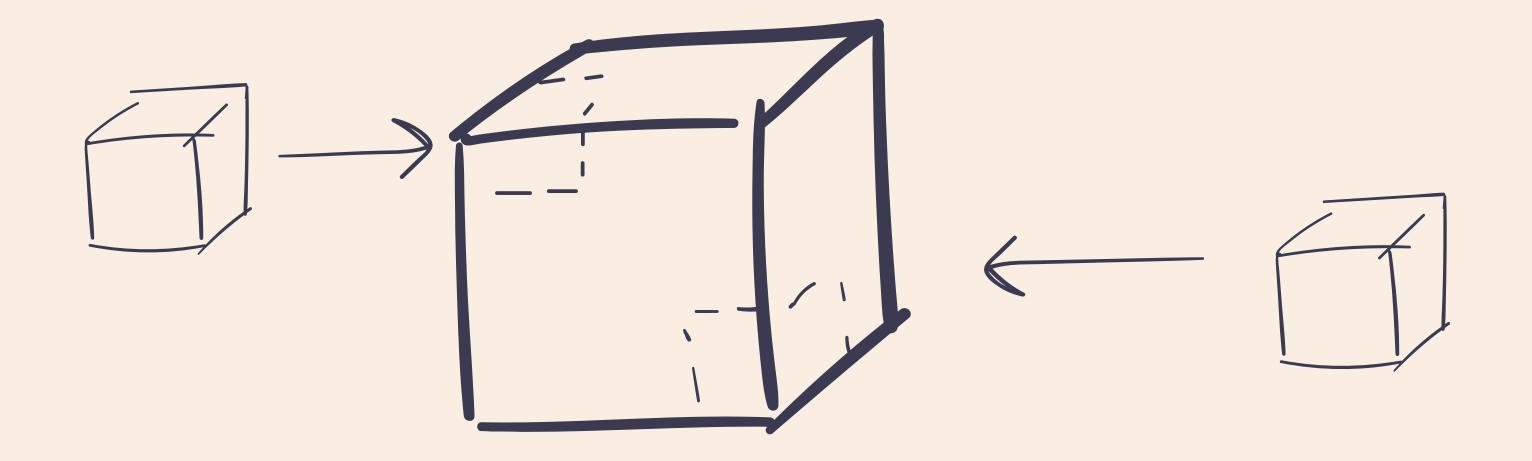


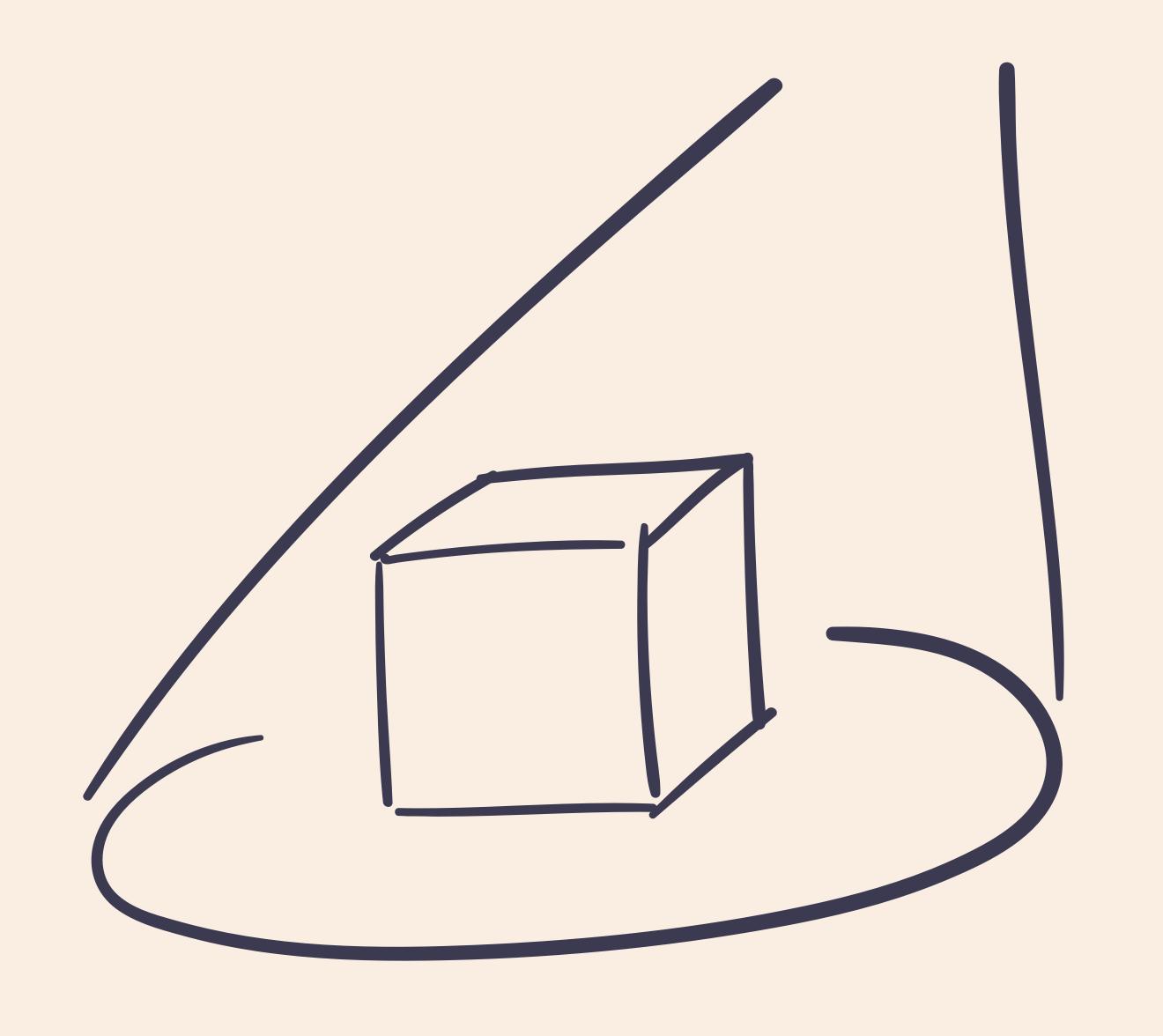




02 — context agnostic

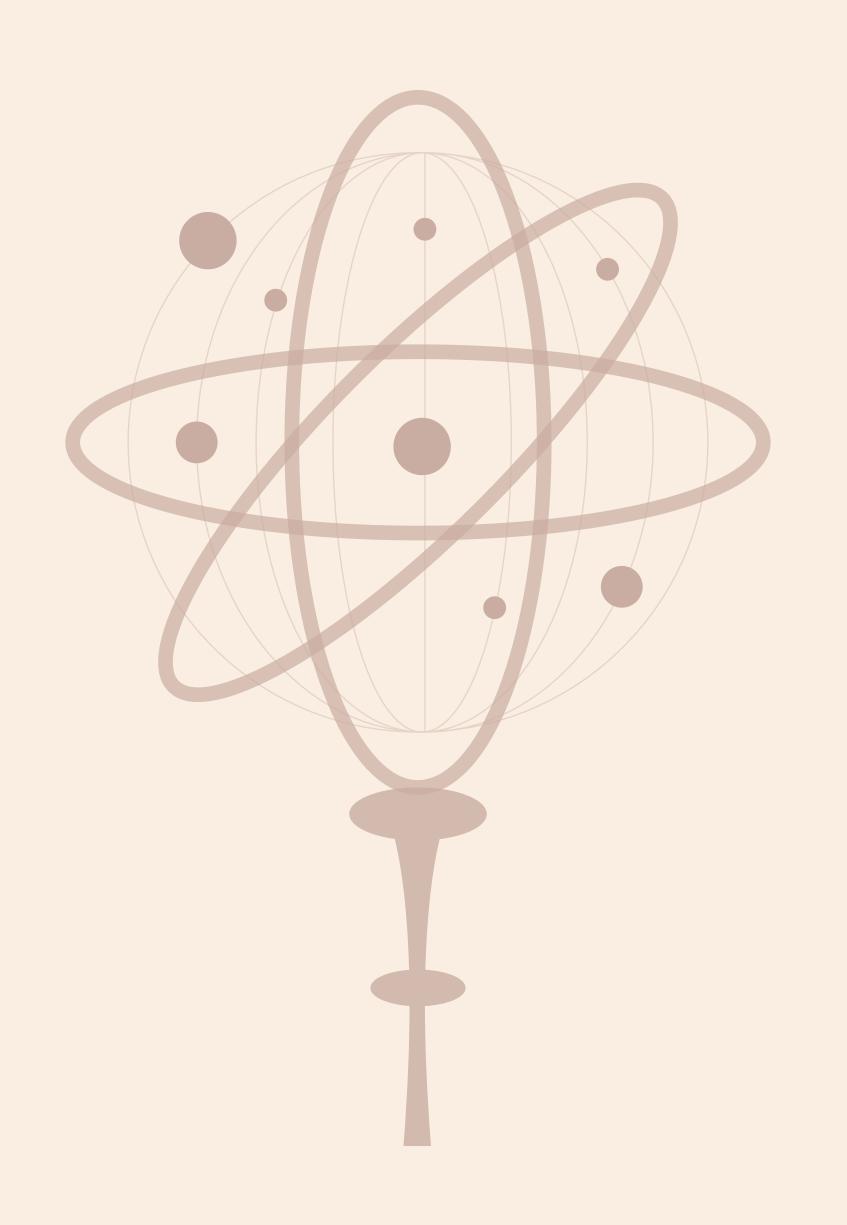
03—independent and isolated





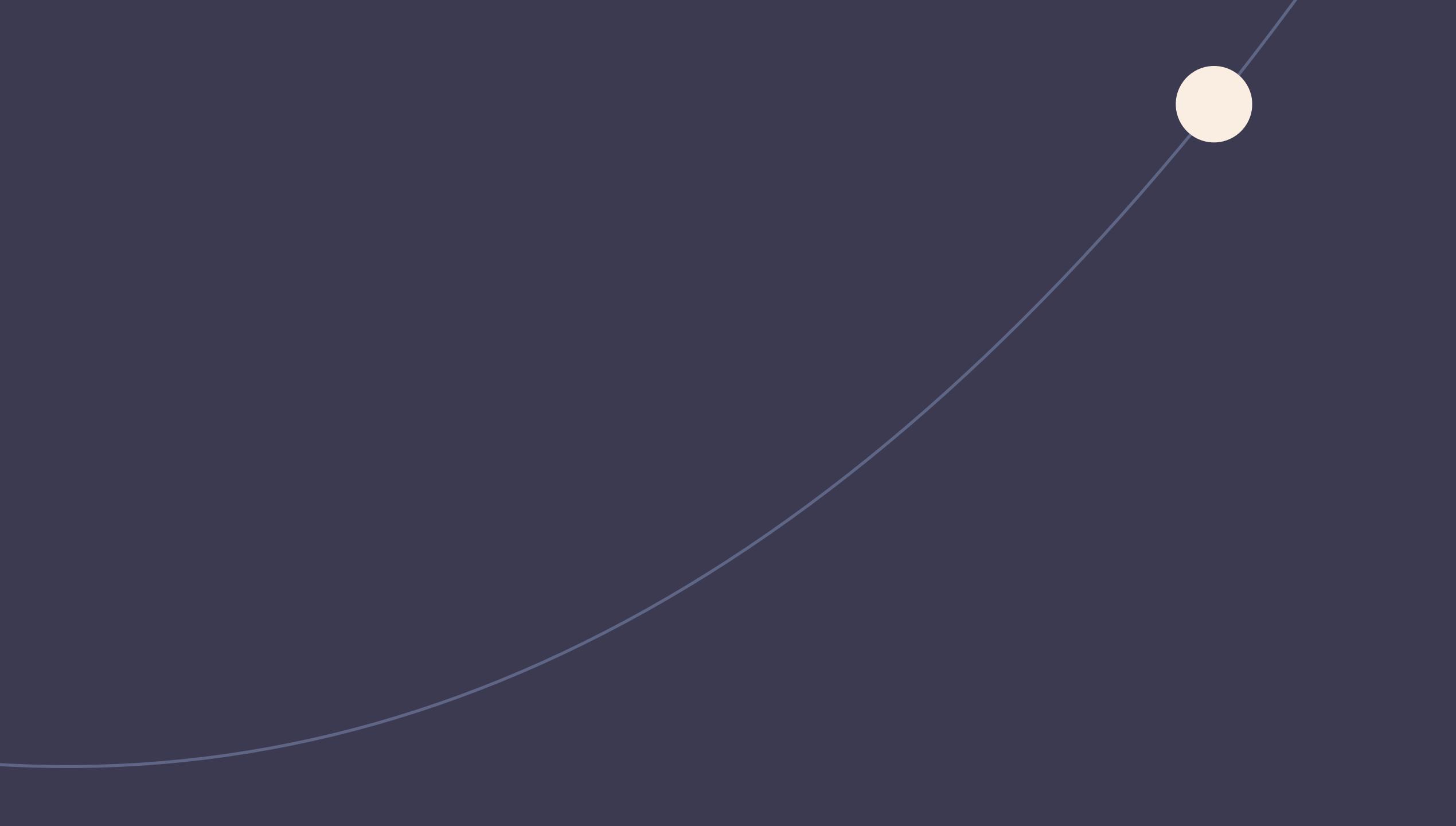
03—independent and isolated

use components by composition



theory over tools



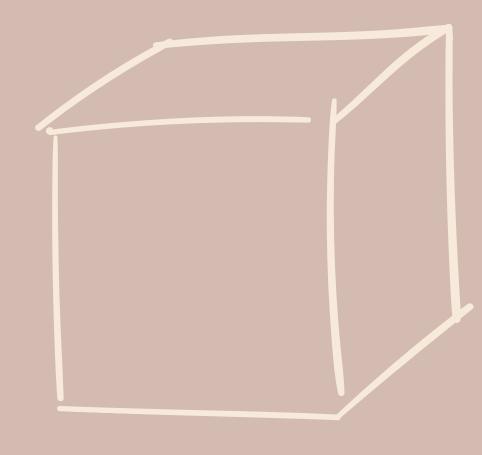


Mercury's orbit in curved spacetime

finding new answers strengthens the theory

observation and concept

component checklist



easy to reason about

- -documented
- unit and visual tests
- appropriate default and error states

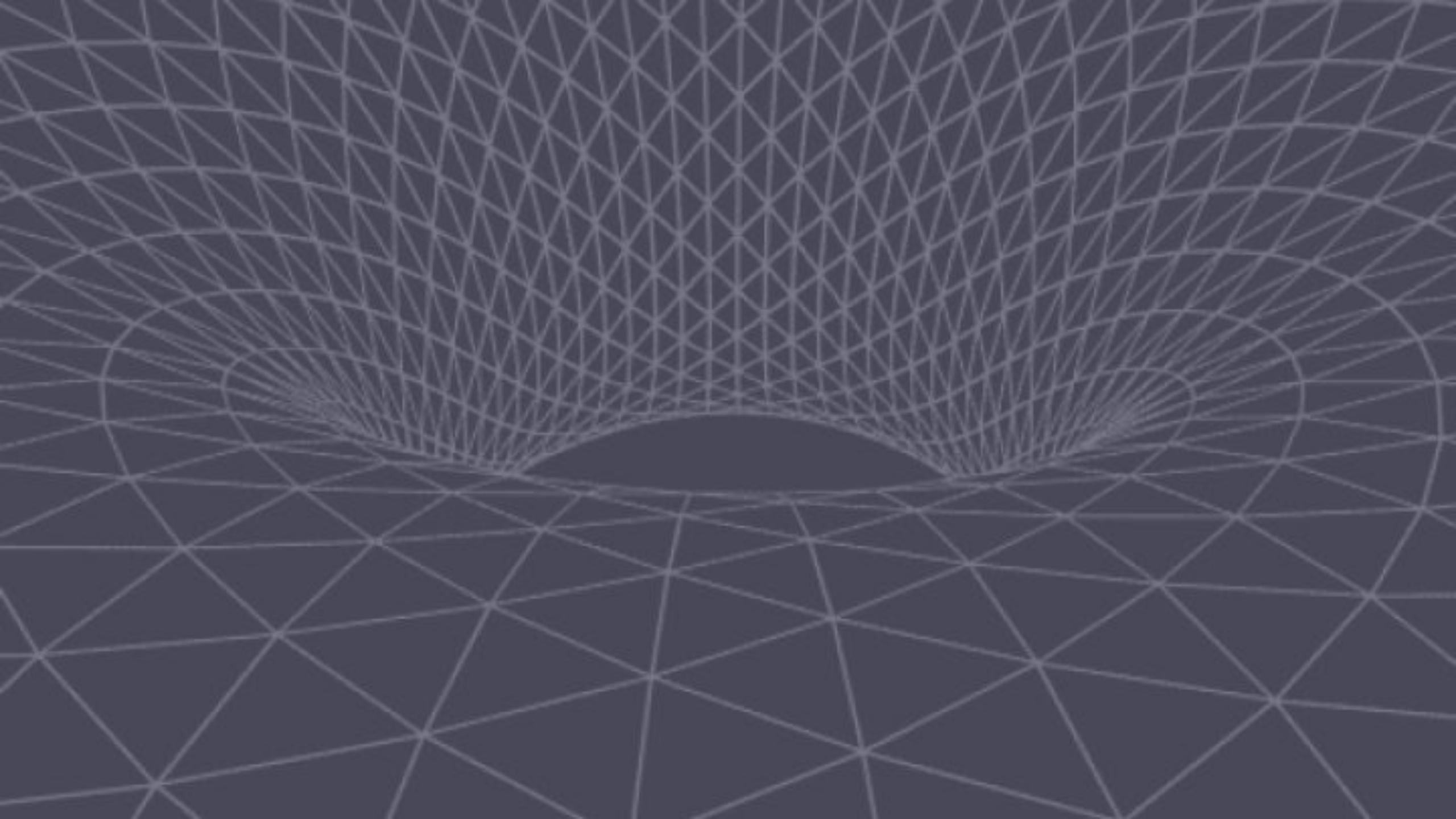
context agnostic

- -have no layout
- -work in supported browsers and devices
- -accessible

independent & isolated

- -only affect itself
- -define itself and its styles only in one place
- work standalone or when consumed

component checklist

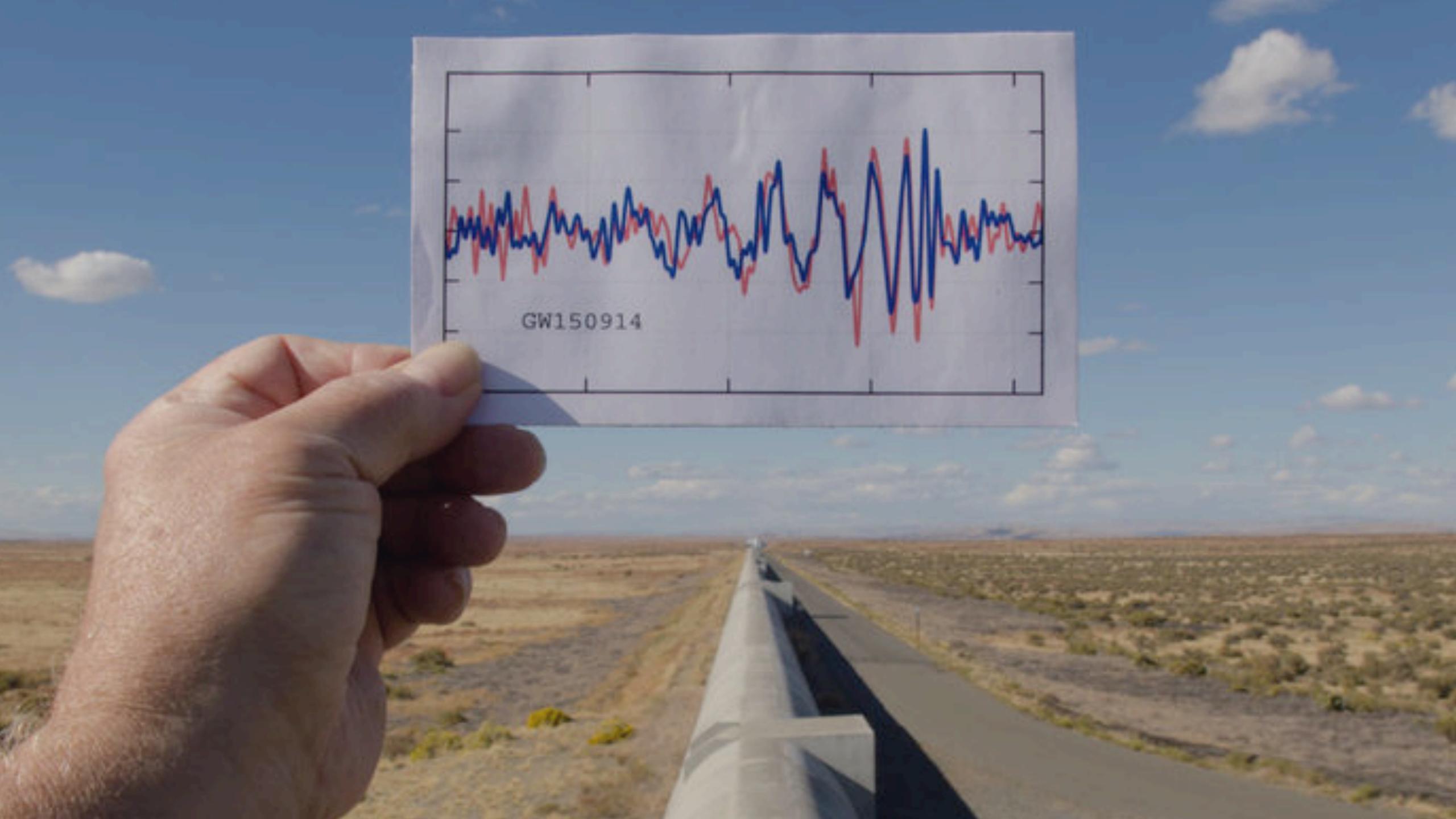


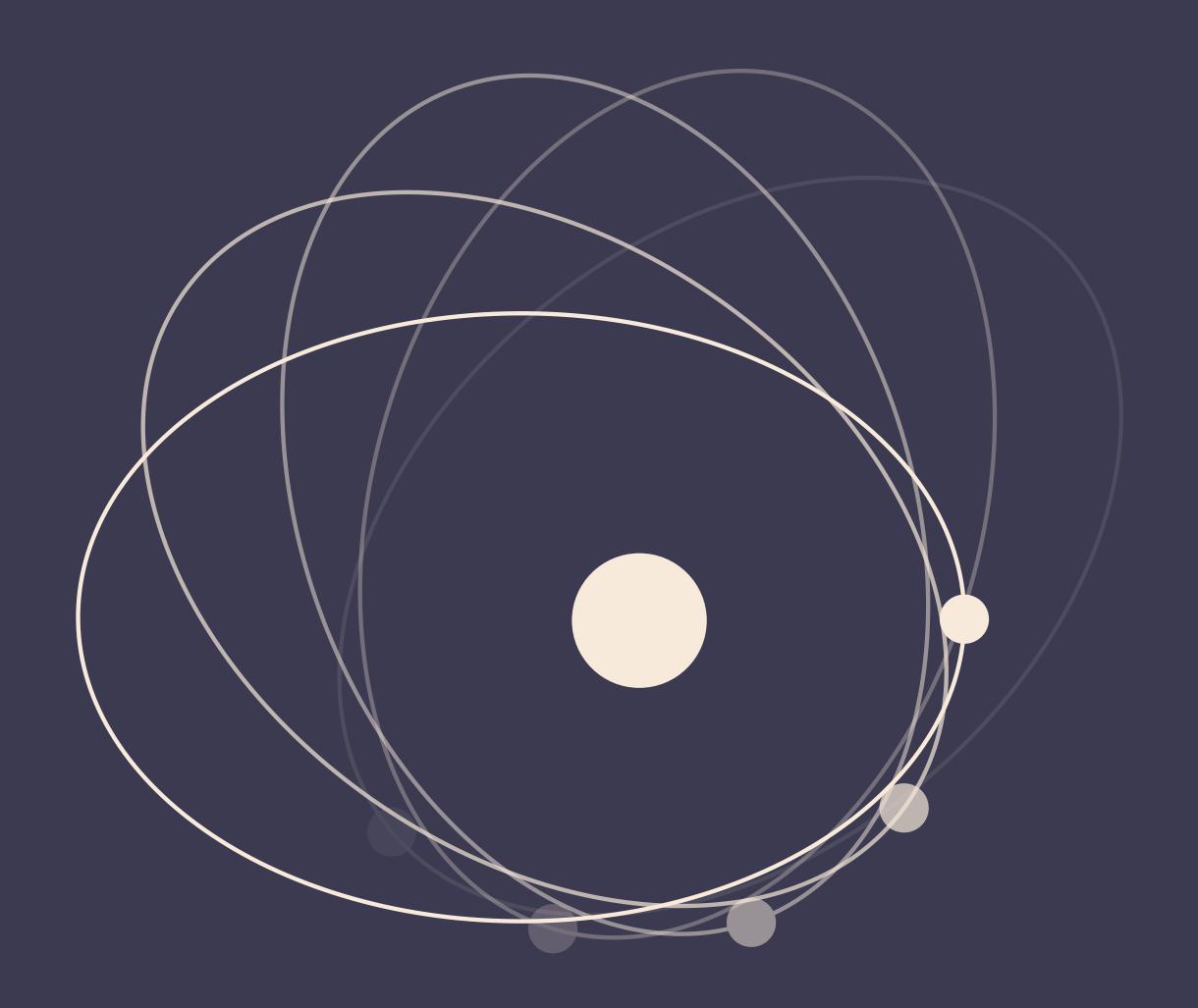
The pursuit of science is more than the pursuit of understanding. ??

— KIP THORNE, LIGO

an experimental quest

when black holes collide, they make a sound





search for new solutions

thankyou

script, slides, & resources elyseholladay.github.io/theory

slides & illustrations
ainsley wagoner

typeface
tiempos, klim foundry