

DevSecOps:

A rose by any other name
would smell sweeter

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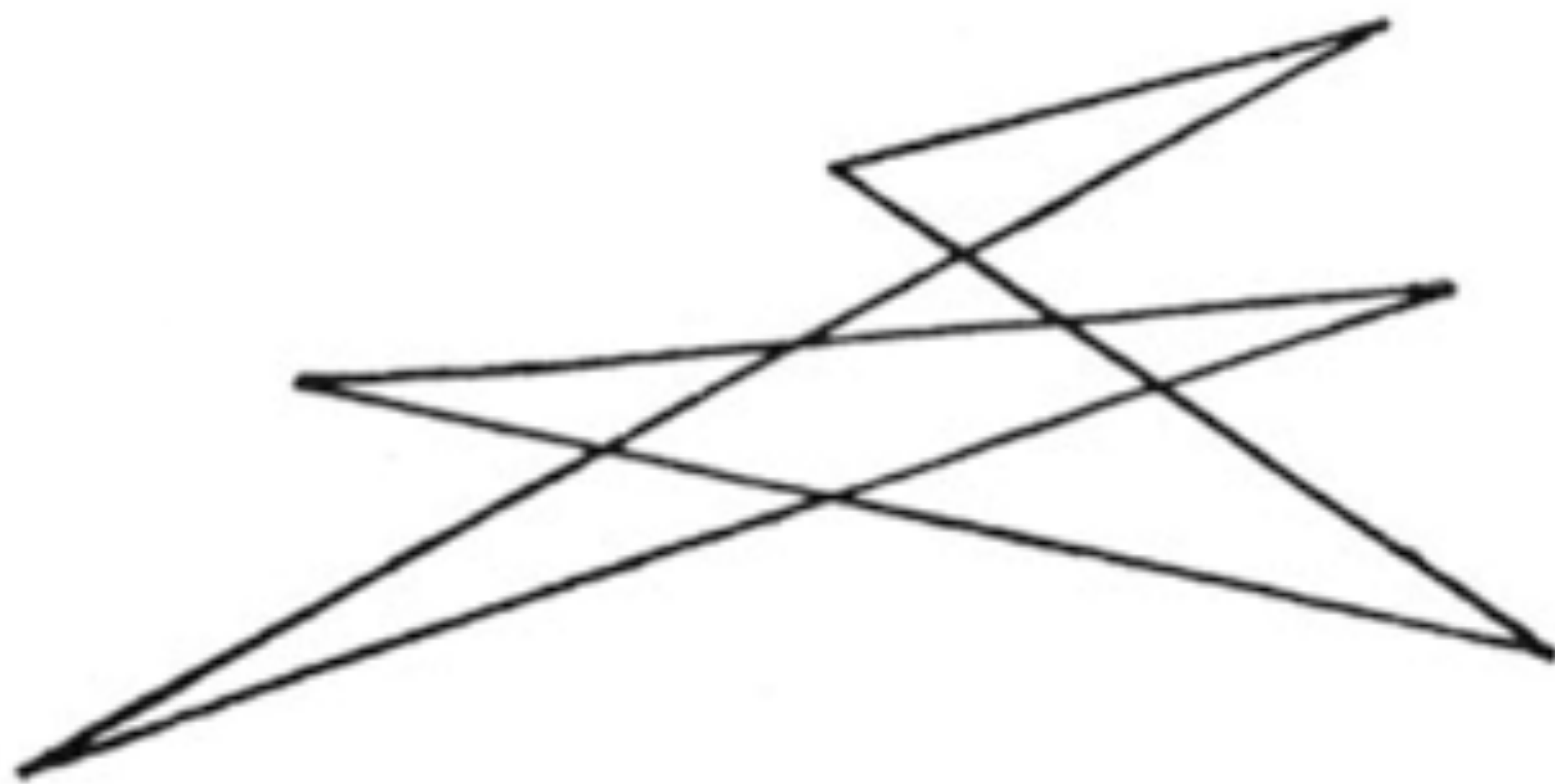
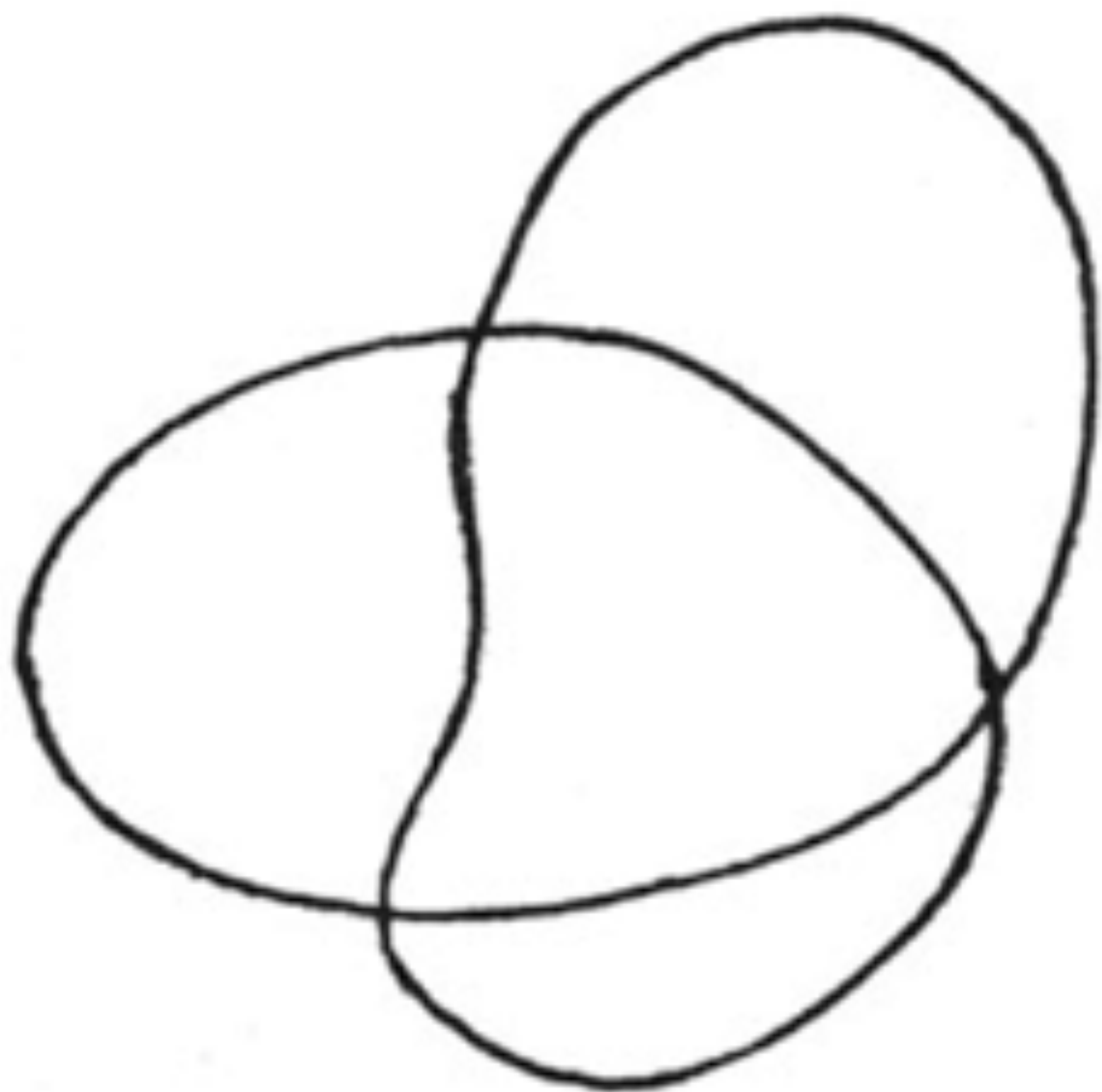
'Now you people have names. That's because you don't know who you are. We know who we are, so we don't need names.'

— **Neil Gaiman, Coraline**

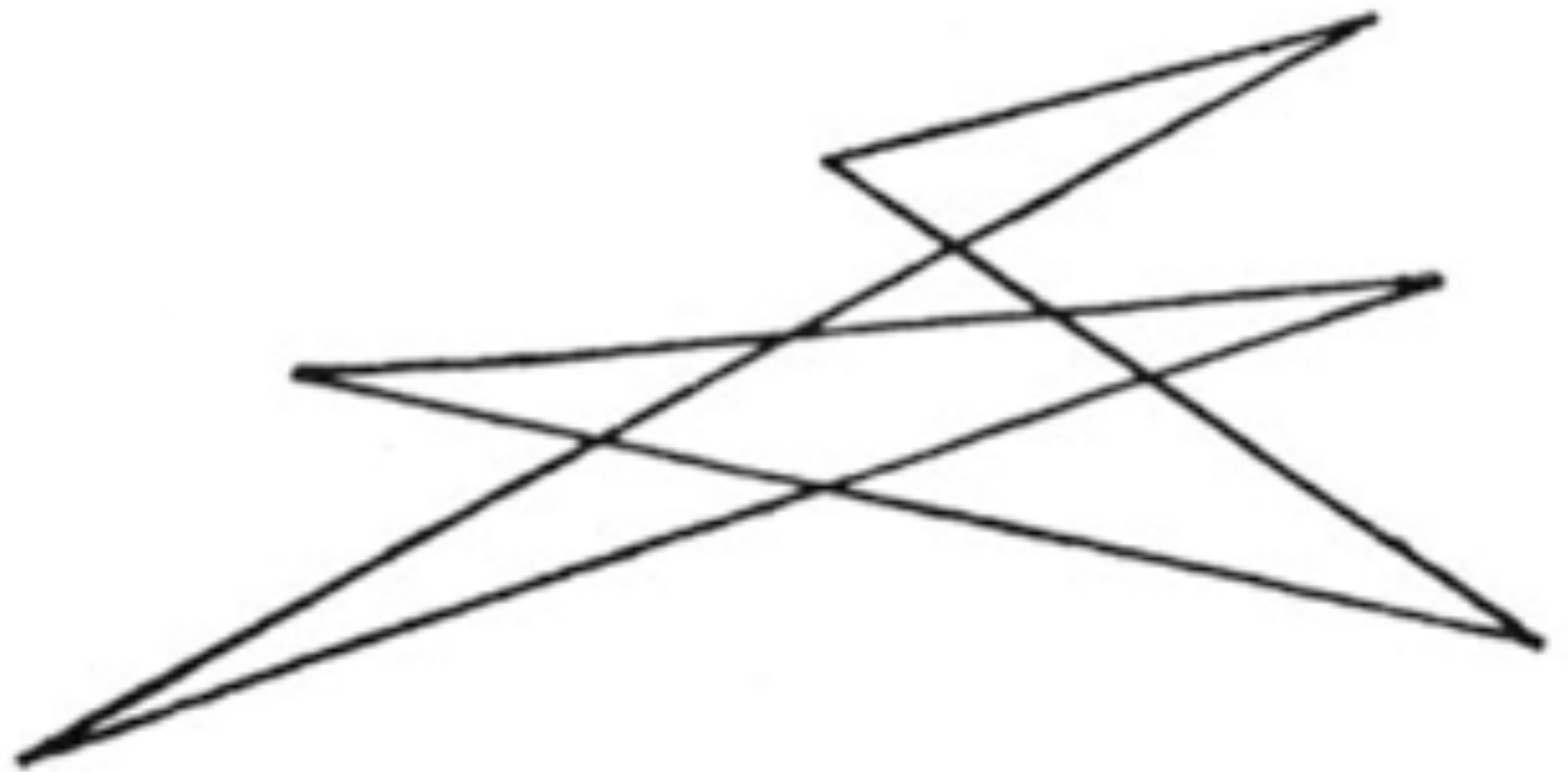
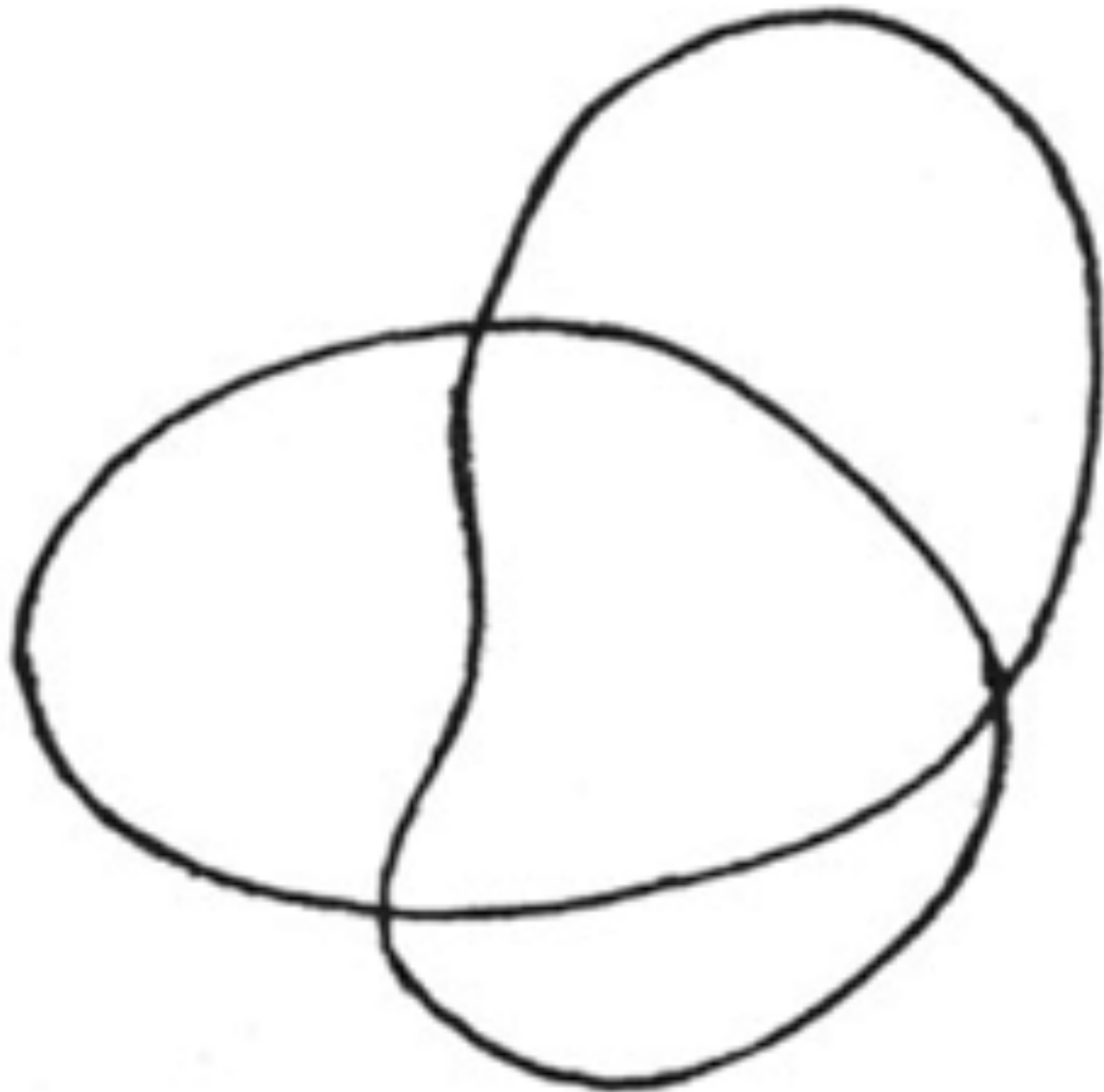
Names* carry baggage

*most words actually





Which is a *maluma*
and which is a *takete* ?



What's a Lumoggon?

Lumogon

(n) refers to the three-dimensional space that light occupies in a contained space.

No it isn't.

I'm driving north
through some
hilly terrain next
week.

*Am I more likely to
be going uphill or
downhill?*



We're influenced by the metaphoric relationship between direction and vertical position.

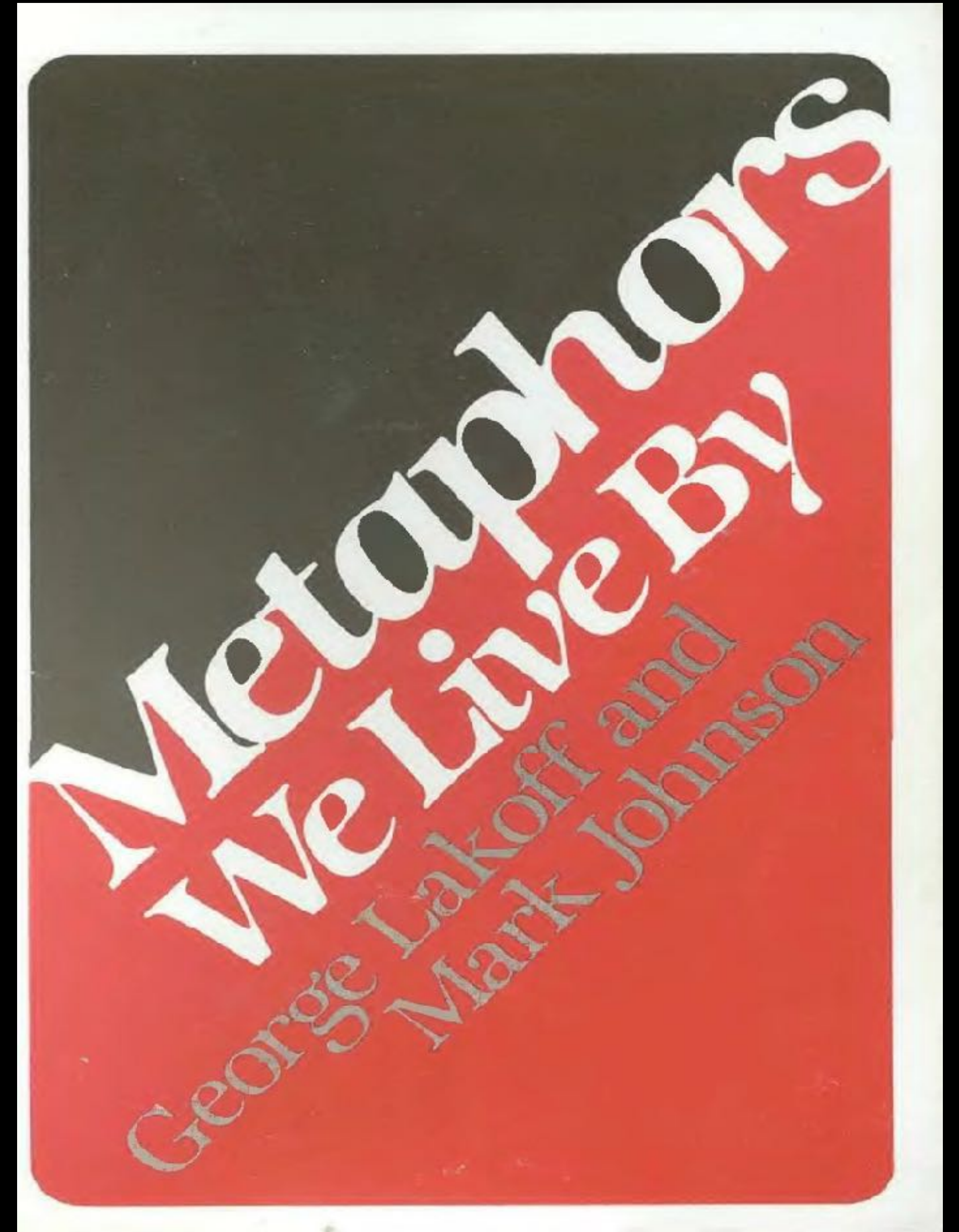
We tend to:

- *Think it takes longer to travel north than south
- *Think it costs more to ship to a northern than a southern location
- *Think moving companies charge more for going north than south
- *Have greater intent to visit stores described as south of a reference point.

* **Nelson, Leif D. and Simmons, Joseph P.**, *On Southbound Ease and Northbound Fees: Literal Consequences of the Metaphoric Link between Vertical Position and Cardinal Direction* (2009). Journal of Marketing Research

Central Thesis:

The lives of individuals are significantly influenced by the central metaphors they use to explain complex phenomena.



A photograph of George Lakoff, an older man with a white beard and glasses, wearing a tan shirt. He is seated at a dark podium, looking slightly to his right. A laptop is open on the podium in front of him. To his right, a clear plastic water bottle with a green label is visible. The background is dark with some decorative elements on the left.

George Lakoff

“Our ordinary conceptual system,
in terms of which we both think
and act, is fundamentally
metaphorical in nature.”

– *George Lakoff*

A metaphor is simply
understanding and experiencing
one kind of thing in terms of
another

We're not actually aware of how much we use metaphor, and how foundational it is.

*Not all linguists agree on this

Argument is War

- * Your claims are *indefensible*.
- * You *attacked* every weak point in my argument.
- * Their criticisms were *right on target*.
- * I *demolished* their argument.
- * I've never *won* an argument with them.
- * If you use that *strategy*, they'll *wipe you out*.
- * They *shot down* all of my arguments.

Time is Money

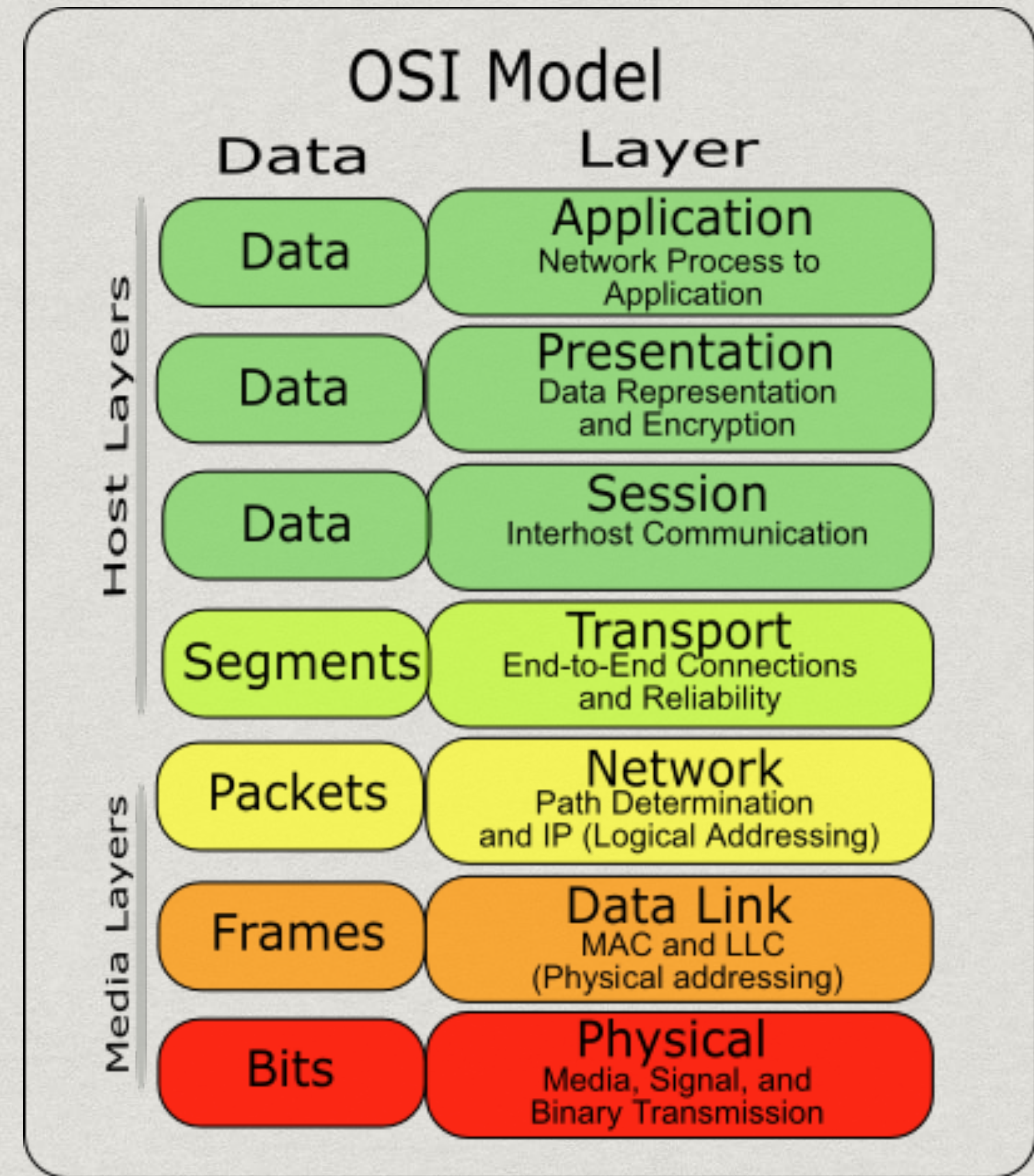
- * How do you *spend* your time these days?
- * That flat tire *cost* me an hour.
- * I've *invested* a lot of time in them.
- * I don't have enough time to *spare* for that.
- * You need to *budget* your time.
- * Is that *worth* your while?
- * She's living on *borrowed* time.
- * He doesn't use his time *profitably*.

WHY SHOULD *WE* CARE?

Computing is full of metaphors



We create
abstractions in
computing to
manage complexity
by hiding information.
All the way down.



containers vs zones vs jails



*(containers and zones and jails are not actually the same thing)

“Jails, Zones, VMs and containers were designed and built in different ways. Containers are not a Linux isolation primitive, they merely consume Linux primitives which allow for some interesting interactions”

<https://blog.jessfraz.com/post/containers-zones-jails-vm/>

All we **do** in the automation space is
build abstractions on top of even
more abstractions.

There is no automated future in which we're dealing with fewer abstractions.

It can't hurt us to think more deliberately about abstraction and metaphor.

WHY DID “DEVOPS” GAIN TRACTION?*

*PURE SPECULATION



Why did “DevOps” gain traction?

- * Dysfunction between Development and Operations was the most pressing and obvious problem.
- * Applying software engineering principles to infrastructure became possible.
- * “Development” has traditionally been a higher status role in organizations.
- * Deep skepticism about “Agile” due to co-opting and cargo-culting.

“DevOps” as Tribal Signifier

- * “We’re going to do things differently”
- * “Not like the others”



BUT.....

**UNINTENDED NAMING
CONSEQUENCES**



Misunderstandings

“Woot! I get to do development”

or

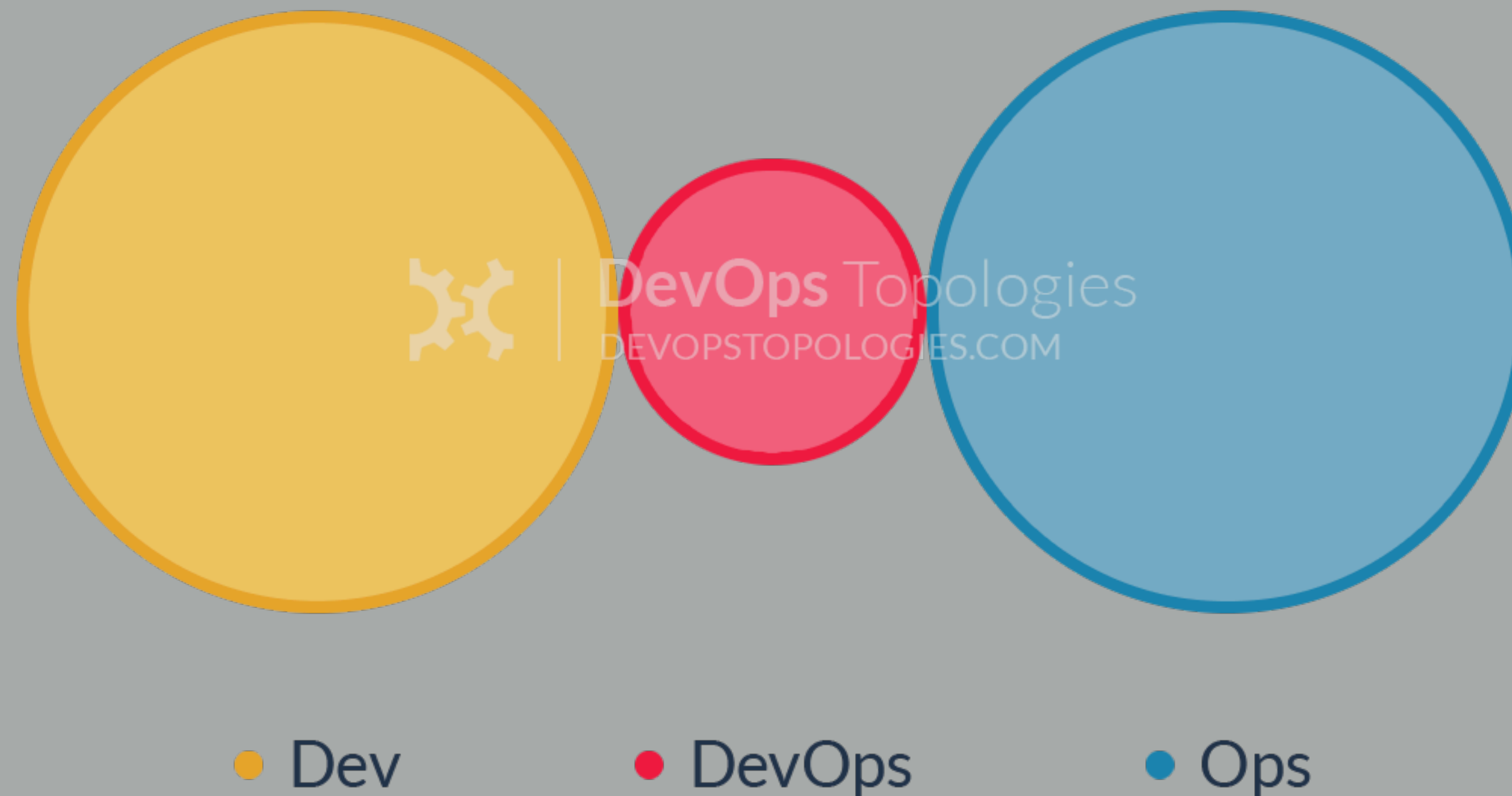
“Crap. I have to be a developer”

— **Ops Person**

“I don’t need Ops people anymore”

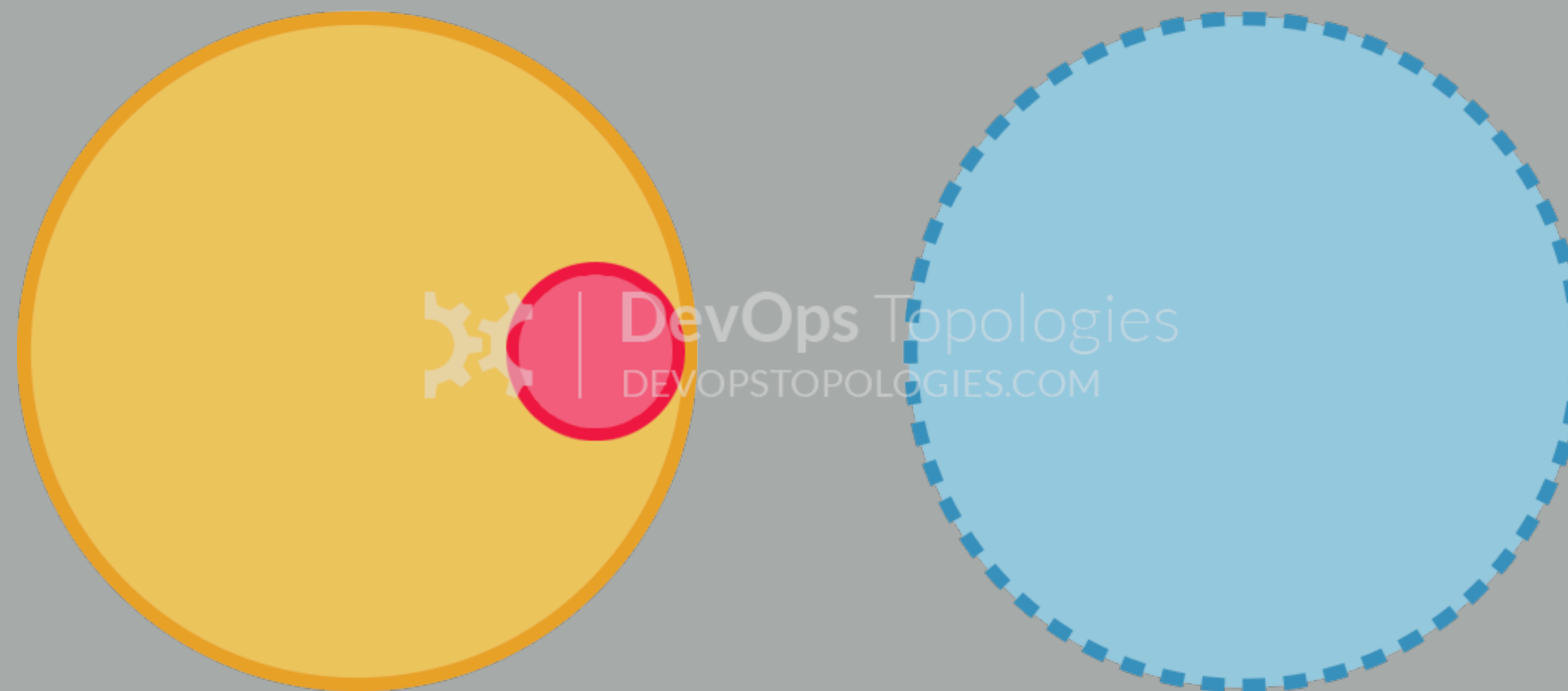
— **Dev Person**

Anti-Patterns



<http://devopstopologies.com>

Anti-Patterns



● Dev

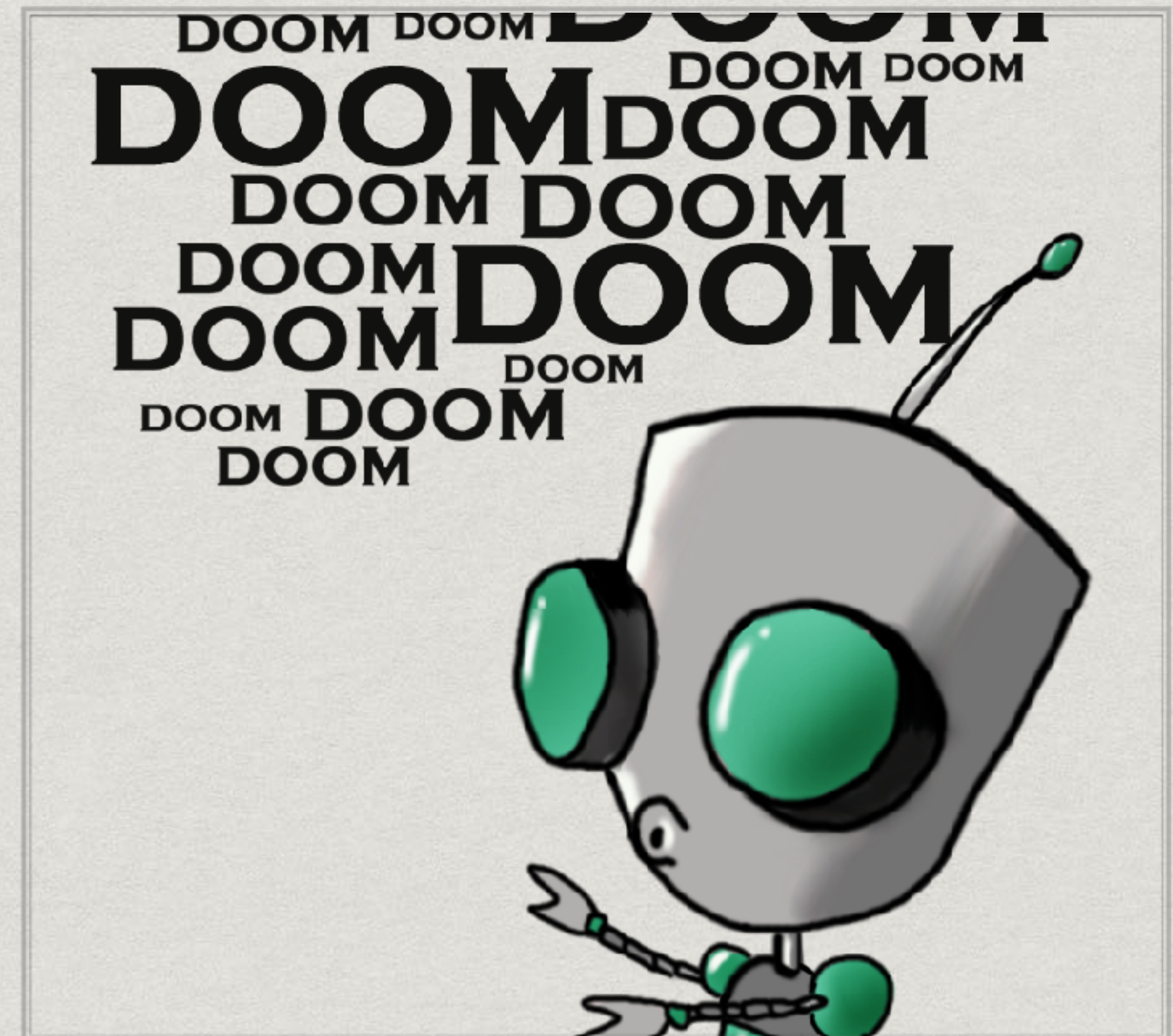
● DevOps

● Ops

<http://devopstopologies.com>

DOOOOOOOOOOOM

- * Dev-centric vendors co-opting DevOps
- * DevOps as “NoOps 2.0”
- * “Ops is a solved problem”



DevSecOps:
so now we've got
three silos?



Lets not dig the hole deeper



At least we should be aware of it

- * DevSecOps:
 - * currently a tribal signifier
 - * rapid traction
- * Warning Signs:
 - * Separate DevSecOps teams
 - * Co-opting by vendors
 - * “NoSecOps”



“Thanks.”

Interesting Stuff I Read

- * Nelson, Leif D. and Simmons, Joseph P., On Southbound Ease and Northbound Fees: Literal Consequences of the Metaphoric Link between Vertical Position and Cardinal Direction (2009). Journal of Marketing Research, Forthcoming. Available at SSRN: <https://ssrn.com/abstract=963159> or <http://dx.doi.org/10.2139/ssrn.963159>
- * Lakoff, George; Johnson, Mark. Metaphors We Live By. University of Chicago Press.
- * T. Colburn, G. Shute. Abstraction in computer science; Minds and Machines: Journal for Artificial Intelligence, Philosophy, and Cognitive Science, 17 (2) (July 2007)
- * T. Colburn, G. Shute. Journal of Applied Logic: Volume 6, Issue 4, December 2008, Pages 526–533, The Philosophy of Computer Science