



Tivadar Danka
@TivadarDanka

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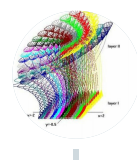
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The single most beautiful thing about linear algebra is that transformations and data are represented by the very same object: a matrix.

It's like the homoiconicity of mathematics.

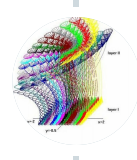
10:42 PM · Oct 2, 2022 · Typefully

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James Torre @jpt401 · 19h
Replying to @TivadarDanka and @unboundexile
cis.upenn.edu/~stevez/papers ...

1 1 5



James Torre @jpt401 · 19h
Replying to @jpt401 @TivadarDanka and @unboundexile
The primary motivation for this work is simple curiosity: What do the vectors interpreting lambda calculus terms look like? Though not the focus of this paper, one could imagine that the ability to encode programming language constructs in the category of vector spaces might

1 2 3

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Nick Fausti @NickFausti · 19h
Replying to @TivadarDanka
kind of reminds me of the "code as data" concept in lisp and other programming languages

2 1 5



Brian Goetz @BrianGoetz · 18h
Replying to @NickFausti and @TivadarDanka
That's exactly what he was referring to:

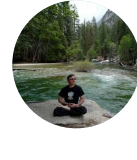
en.m.wikipedia.org
Homoiconicity - Wikipedia

9



schrepfler @schrepfler · 18h
Replying to @TivadarDanka
Feels very Composite pattern.

1 1



Erg @KrzemoweEcho · 17h
Replying to @TivadarDanka
"homoiconicity" ☺

1 1



Koinos The Goat @koinosthegoat · 16h
Replying to @TivadarDanka
Because structure is the only "formal" way, by definition, to comprehend anything.

1 1



Vice-President in Exile Johnny 5, Still Alive @SmoothJohnny5 · 15h
Replying to @TivadarDanka
Well, yeah. But you're the one who put them there

1 1



Eric Fleming @dailyvalueomath · 15h
Replying to @TivadarDanka
How about $2 * 3 = 6$. I also transformed 2 into 6 with another integer? No love for 1D maths?

1 2



/// {Taking on game programming contracts} @marcsh · 14h
Replying to @dailyvalueomath and @TivadarDanka
Its just a really small matrix

1 3

