

Math geek's blog collections



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Math Geek, Kusafusa's blog
Updated Nov 6, 2021

My recent obsession are to focus on the topics of math-logic, model theory, computer science, and languages.

ブログ集約 教育, 評論関係の拙著

- ・証明はプログラム. http://imetrics.co.jp/academy/A_proof_is_program_Ja.pdf 2021. 6. 1
- ・言語と数学と記号の普遍性 <http://imetrics.co.jp/academy/UniversalitySemiotics.pdf> 2021. 2. 1
- ・Math is basis of all sciences (Youtube) <https://m.youtube.com/watch?v=8Ea8gdJQy4M&feature=youtu.be> 2019.8.9
- ・コンピュータと数学教育 <http://imetrics.co.jp/academy/Math-and-programming2.pdf> 2020. 4. 15
- ・数学はエクスタシー <http://imetrics.co.jp/opinion2/Math-is-ecstasy.pdf>
- ・数学教育リテラシー、数学の自由性、<http://imetrics.co.jp/Crossroads/科学と数学.pdf>
- ・数学センス談義、数学の進歩 <http://imetrics.co.jp/miscellaneous/Math-Progress.pdf> 2019. 2. 19
- ・数学センスを磨く方法 <http://imetrics.co.jp/Crossroads/Math-Sence-2.pdf> 2021. 10. 23
- ・最近のモデル理論 <http://imetrics.co.jp/academy/ModelTheory.pdf> Sep 14, 2017
- ・構成主義数学、計算科学の最前線 <http://imetrics.co.jp/academy/Constructivist-math-&-computational-science.pdf> Nov 27. 2021
- ・ラッセルのパラドックスの再出番 imetrics.co.jp/academy/Russel-paradox.pdf

§数理サイエンスカフェ

Study of Constructivism and Epistemology in semiotic artificial intelligence http://imetrics.co.jp/academy/CROSS_research_proposal.pdf (研究計画書) Feb25, 2021

- ・構成主義数学、計算科学の最前線 (ガイダンス) Nov 28. 2021
- ・トポスと記号論的AI (構成主義数学と計算科学の最前線) Nov 17. 2021
- ・数学基礎論 アッカーマン関数, PvsNP, モデル理論, 連続体仮説 Sept 12, 2021
- ・圏論の歩き方, Curry-Howard correspondence <http://imetrics.co.jp/academy/RelevantTheories.pdf> 再掲

<u>証明支援系数学の実践 Coqでの研究報告 (Japanese)</u>	March 16 2021, June 30, 2021
<u>証明はプログラム</u>	June 21, 2021
<u>言語と数学と記号の普遍性</u>	Feb 1, 2021
<u>A proof is program</u>	Feb 22, 2021
<u>"La trahison des images" and Recursion theorem</u>	Feb 7, 2021
<u>Universality of language, mathematics and symbols</u>	Feb 1, 2021
<u>The research proposal of symbolic artificial intelligence</u> summary	Feb 25, 2020.
<u>Self-referencing and fixed point theorem</u>	March 13, 2020.
<u>Matryoshka and recursion</u> Reconsider Recursively	2020. 3. 11
<u>Criticism of pure reason and understanding</u>	March 8, 2020
<u>Symmetry as an invariant is the essence of language acquisition.</u>	Feb 14, 2020
<u>Monad</u>	Feb 28, 2020
<u>Stone Duality and Hilbert's Nullstellensatz</u>	Aug 15, 2019
<u>Mathematical logic, by Shoenfield 1967</u>	July 20, 2019
<u>Kleene's recursion theorem and Rogers's fixed-point theorem</u>	July 23, 2019
<u>Recursion-fixed point-and-automorphism</u> .m4v	Aug 2, 2019
<u>Cartesian-Closed-Category</u>	Aug 3, 2019
<u>Science in English { Euler's characteriistic is invariant }</u> for kids	July 27, 2019
<u>Direct sum, direct product</u>	April 17, 2019
<u>Finite Model Theory</u>	March 20, 2019
<u>Two Model Theories.</u>	March 18, 2019
<u>Recent mathematical writings index</u>	March 6, 2019
<u>Duality</u>	Feb 15, 2019
<u>Fixed point theorem & recursive programming</u>	Jan 11, 2018
<u>Semantics of programming</u>	Jan 9, 2018
<u>Model theory and the cardinal numbers p and t</u>	August, 2013

[The research proposal of symbolic artificial intelligence](#)

[Japanese proposal](#) Password required

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