

## 3MT style video submission for the Research Writing Strategies course assignment at Purdue University in Spring 2025

- <https://www.youtube.com/watch?v=LjzpisszvK4>

## References

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- Lachmy, R., Pyatkin, V., Manevich, A., & Tsarfaty, R. (2022). Draw Me a Flower: Processing and Grounding Abstraction Mitchell, M. (2021). Abstraction and analogy-making in Artificial Intelligence. \*Annals of the New York Academy of Wang, Q., & Goel, A. K. (2024). Mutual Theory of Mind for Human-AI Communication. \*arXiv preprint arXiv:2210.03842\*.
- Gerosa, M., Koleszar, C., Tejera, A., Gómez-Sena, L., & Carboni, A. (2021). Abstraction and problem-solving
- Leinster, Tom (2016). Basic Category Theory <https://arxiv.org/pdf/1612.09375>

**To include the following – in APA format references – to include Hyperlinks also – this section is currently work-in-progress 04/09/2025**

### Tai-Danae Bradley - An Enriched Category Theory of Language - IPAM at UCLA

- [Tai-Danae Bradley - An Enriched Category Theory of Language - IPAM at UCLA](#)

### Action is the primary key: a categorical framework for episode description and logical reasoning, - Yoshiki FUKADA

- [arxiv.org/pdf/2409.04793v1](https://arxiv.org/pdf/2409.04793v1)

### Category Theory in Deep Learning: A New Lens for Abstraction, Composition, and the Nature of Intelligence

- [Category Theory in Deep Learning: A New Lens for Abstraction, Composition, and the Nature of Intelligence | by Sethu Iyer | Medium](#)

### Categorical compositional distributional semantics

- [categorical compositional distributional semantics in nLab](#)

### CatColab - A collaborative environment for formal, interoperable, conceptual modeling

- <https://topos.institute/work/catcolab/>

### Position: Categorical Deep Learning is an Algebraic Theory of All Architectures - Petar Velicković et al

- [Position: Categorical Deep Learning is an Algebraic Theory of All Architectures](#)