

PaperMatch helps you find similar research papers, fast.

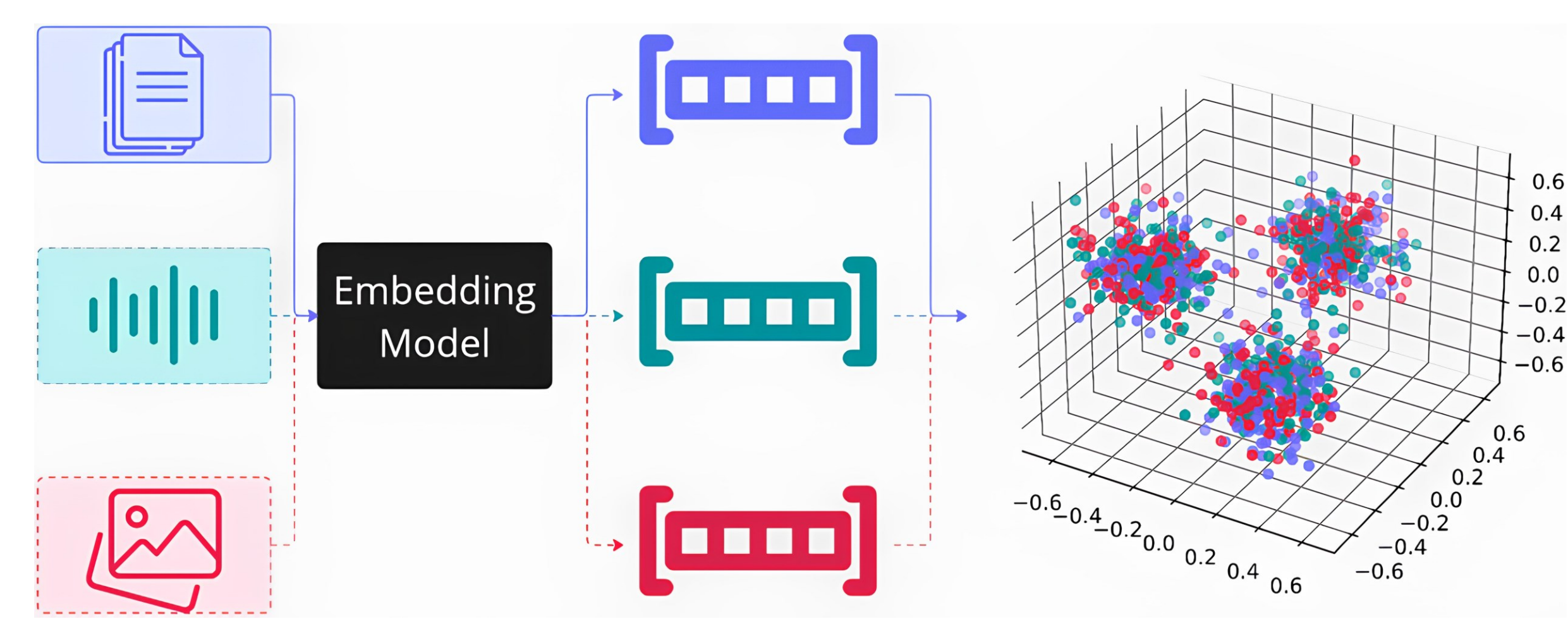
PaperMatch: Cross-Domain Semantic Search Accelerating Scientific Discovery

Introduction

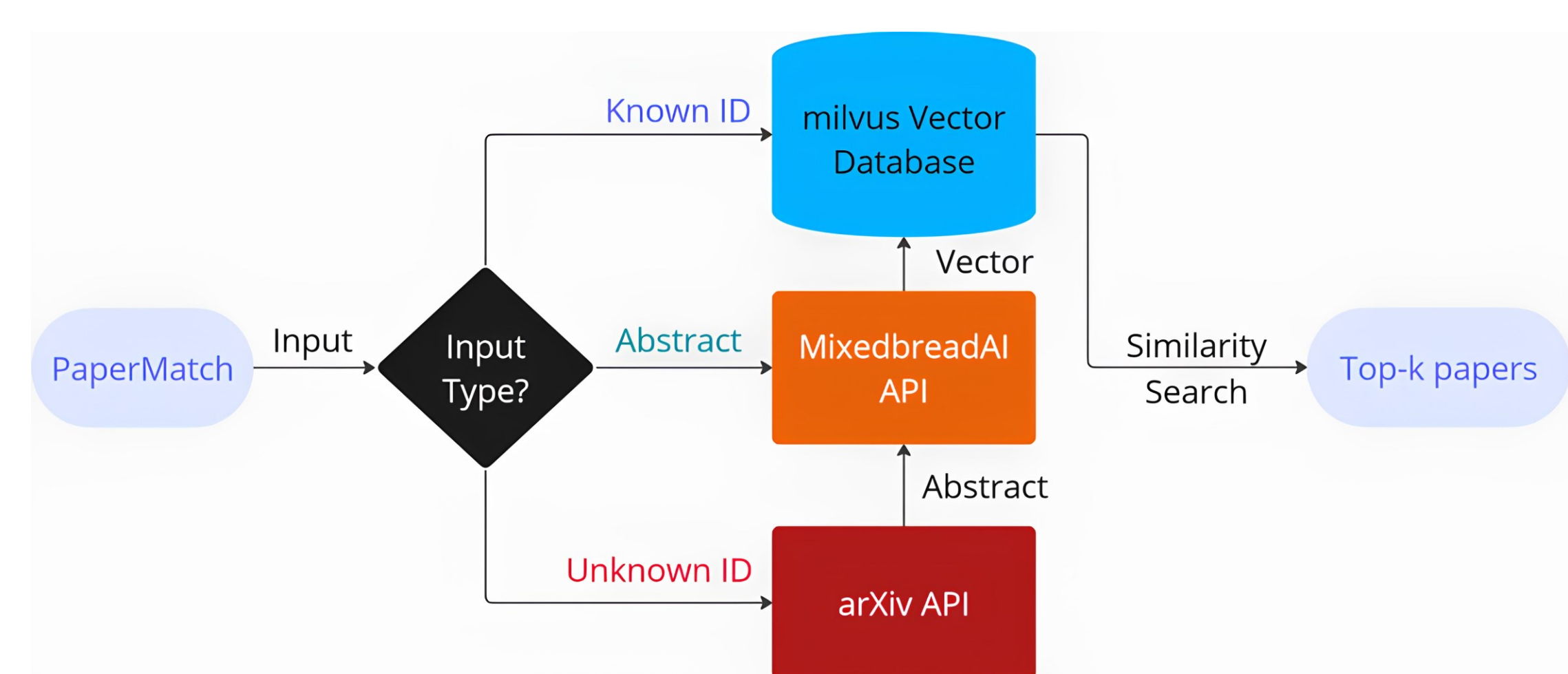
- In **October 2024**, over **24K papers** added to **arXiv**, bringing total to 2.6M and overwhelming researchers.
- **Keyword-based** searches **miss topic nuances**, causing valuable studies to go unnoticed.
- **Vector-based** search **capture context** beyond keywords, linking related papers, fostering collaboration.

Methods

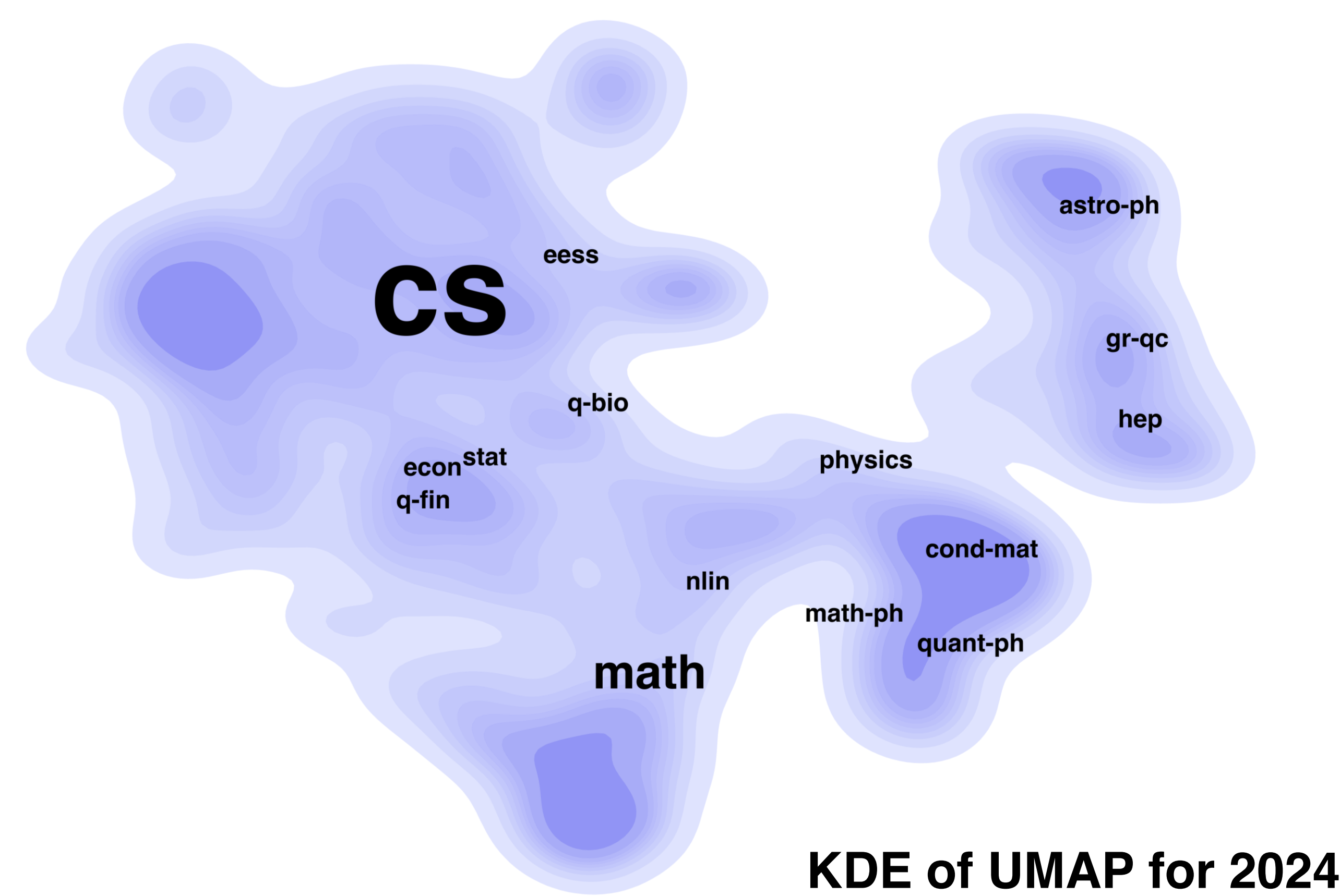
1 Embedding models **create** dense vectors.



2 PaperMatch **retrieves** similar vectors from database.

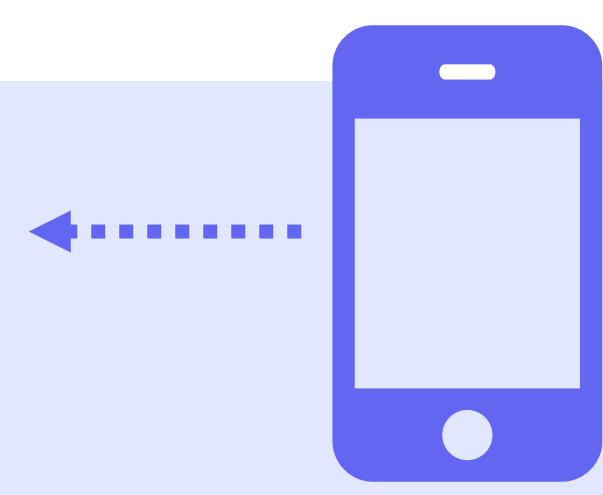


Results



Limitations

- PaperMatch **inherits biases**, interpretability issues, and domain-specific performance gaps from the **embedding models** it relies on.
- Vector databases **treat embeddings as independent data**, adding complexity.
- The current interface **could be refined for better clarity** and navigation.



Try now!