

Reasoning & Inference Paradigms

- **Chain-of-Thought Prompting (NeurIPS 2022)**
<https://proceedings.neurips.cc/paper/2022/hash/9d5609613524ecf4f15af0f7b31abca4-Abstract-Conference.html>
- **Self-Consistency Improves CoT (ICLR 2023)**
<https://openreview.net/forum?id=1PL1NIMMrw>
- **Tree-of-Thoughts (NeurIPS 2023)**
<https://openreview.net/forum?id=5Xc1ecxO1h>
- **Program-of-Thoughts (ICLR 2023)**
<https://openreview.net/forum?id=YfZ4ZPt8zd>

Architectural / Generative Breakthroughs

- **Consistency Models (ICML 2023)**
<https://proceedings.mlr.press/v202/song23a.html>
- **Flow Matching (ICLR 2023)**
<https://openreview.net/forum?id=PqvMRDCJT9>
- **Mamba / State Space Models (ICLR 2024)**
<https://openreview.net/forum?id=tEYskw1VY2>

Agentic & Tool-Use Paradigms

- **ReAct (ICLR 2023)**
https://openreview.net/forum?id=WE_vluYUL-X
- **Toolformer (ICLR 2023)**
<https://openreview.net/forum?id=Yacmpz84TH>
- **LLM Planning (2023–2024)**
<https://arxiv.org/abs/2305.04091>

Various

- **CodeGen: An Open Large Language Model for Code with Multi-Turn Program Synthesis**
https://openreview.net/pdf?id=iaYcJKpY2B_

- **DPO – Direct Preference Optimization (NeurIPS 2023)**
<https://openreview.net/forum?id=HPuSIXJaa9>
- **RSGPT: a generative transformer model for retrosynthesis planning pre-trained on ten billion datapoints (2025)**
<https://www.nature.com/articles/s41467-025-62308-6>
- **Chronos: Learning the Language of Time Series (TMLR 2024)**
<https://openreview.net/forum?id=gerNCVqqtR>
- **Accurate predictions on small data with a tabular foundation model**
<https://www.nature.com/articles/s41586-024-08328-6>