Transformer

??

1. [illegible]
2. [illegible]
3. scaling[illegible]
4. “[illegible]”[illegible] GPU[illegible] GPU[illegible]
5. [illegible] nlp[illegible] token[illegible]
6. [illegible] token[illegible]
    1. [illegible] kq[illegible] token[illegible] v[illegible]
    2. [illegible] kqv[illegible] sequence[illegible]
    3. [illegible]
    4. weight[illegible]
7. [illegible]
    1. LLM[illegible]
    2. LLM [illegible]
8. hidden size 7168[illegible]
    1. [illegible]
    2. [illegible]
    3. 7168 hidden [illegible] token [illegible]
        1. [illegible] hidden[illegible] 1024?)[illegible] KVcache [illegible]
        2. [illegible] sequence[illegible] token[illegible]
9. [illegible]
    1. [illegible]
    2. [illegible]
10. [illegible]
    1. [illegible]
    2. [illegible]

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1. [illegible]
2. [illegible] AGI[illegible] AGI[illegible]
3. Transformer [illegible]

Attention

1. [illegible] token [illegible] token [illegible] key [illegible] value
    1. [illegible]
        1. [illegible]
        2. [illegible]
    2. [illegible] KV cache [illegible]
2. [illegible]
3. [illegible]
4. [illegible] attention [illegible]
    1. [illegible] O(T) [illegible] O(1) [illegible]
        1. Transformer [illegible] O (T^2) [illegible] O (T^2)
        2. RWKV [illegible] status [illegible] , [illegible] O(T) [illegible] O(1)
    2. [illegible] token [illegible]
    3. [illegible]
        1. MOE [illegible] CoT [illegible]
5. [illegible] FFN [illegible]
6. [illegible] “[illegible]” [illegible] “[illegible]” [illegible]
    1. [illegible]
    2. [illegible]
    3. [illegible] binary [illegible]
        1. [illegible] attention [illegible] +MLP [illegible]
    4. [illegible] Yan2.0 Preview [illegible] RockAI [illegible] Transformer [illegible]
        1. [illegible]
        2. [illegible] RockAI [illegible]
        3. [illegible]
        4. [illegible] kv cache [illegible] kvcache [illegible]

??API

1. transformer [illegible] attention [illegible]
    1. [illegible] Token [illegible] CoT [illegible] Latent Chain-of-Thought [illegible]
2. attention [illegible]
3. [illegible] token [illegible]
4. [illegible]
5. [illegible]
6. [illegible]
    1. [illegible] transformer [illegible]
    2. [illegible]

?????

1. LLM
   [illegible]
2. LLM
   [illegible]
3. [illegible] AI [illegible]
4. [illegible]

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