GPT-5.5 Spreads Across AI Products as DeepSeek Pushes 1M Context and Alphabet Backs Anthropic

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OpenAI's GPT-5.5 spread quickly into APIs and developer products, while DeepSeek's V4 release sharpened the debate around efficient million-token inference. The day also brought a massive new compute commitment to Anthropic, practical agent research, and a fresh round of product workflow upgrades.

Top Stories

Why it matters: Today's clearest signals were distribution, efficient long-context inference, and the compute race behind frontier models.

- **GPT-5.5 moved from launch to broad deployment.** OpenAI made GPT-5.5 and GPT-5.5 Pro available in the API, including a 1M context window and a higher-accuracy Pro option in the Responses API [1, 2]. GitHub Copilot, Cursor, Perplexity Computer, and Devin also rolled it out or began using it as a default/orchestrator model [3, 4, 5, 6]. The recurring theme was efficiency: on Notion's knowledge-work benchmark, GPT-5.5 was 33% faster than Opus 4.7 while using half the tokens, and on LisanBench it used about 45.6% fewer tokens than GPT-5.4-medium while scoring 1.77x higher [7, 8].
- **DeepSeek V4 made open-weight competition look more like a systems story than a parameter story.** At 1M context, V4-Pro uses 27% of V3.2's single-token FLOPs and 10% of its KV cache, which DeepSeek commentators say can translate into far more concurrent long-context requests on the same hardware [9, 10]. Artificial Analysis says

V4 Pro leads open-weight models on GDPval-AA at 1554, while V4 Flash shifts the price/performance frontier; it also reports very high hallucination rates for both models [11, 12].

- **Alphabet deepened the compute war around Anthropic.** Alphabet said it will invest up to an additional $40 billion in Anthropic and provide at least 5 GW of computing power [13]. The business implication is straightforward: frontier competition is increasingly being financed as dedicated infrastructure, not just model R&D.

Research & Innovation

Why it matters: The most interesting research today focused on harder math, more reliable tool use, and longer-horizon memory for agents.

- **OpenAI linked GPT-5.5 to a new Ramsey-number result.** Sebastien Bubeck said an internal version of GPT-5.5 proved that the ratio `R(k,n+1)/R(k,n)` tends to 1 for all fixed `k`, solving Erdős problem #1014; OpenAI also published a proof PDF and a Lean verification [14].
- **A new paper targeted the `MCP tax` in tool-heavy agents.** `Tool Attention Is All You Need` proposes dynamic tool gating plus lazy schema loading; on a simulated 120-tool benchmark it cut tool tokens 95%, from 47.3k to 2.4k per turn, while raising effective context utilization from 24% to 91% [15].
- **StructMem argues agent memory needs maintenance, not just retrieval.** The paper stores simple memories first, then consolidates them in the background into structured relationships across time and events, targeting a common long-horizon failure mode: losing the links between facts [16].

Products & Launches

Why it matters: Product competition is shifting from raw model access toward orchestration, parallelism, and tighter user control.

- **Cursor 3.2** added `/multitask`, letting async subagents run requests in parallel instead of queueing them, plus background worktrees and multi-root workspaces for cross-repo changes [17, 18, 19].
- **Gemini API** added collaborative planning for Deep Research: users can request a plan, refine it, and only then approve execution [20].
- **Gemini's April Drops** bundled a native Mac app, Lyria 3 Pro music generation, NotebookLM integration, interactive visuals, and conversation branching fixes [21, 22, 23, 24, 25].

Industry Moves

Why it matters: Major companies kept buying compute, sovereignty, and distribution rather than waiting for the next model cycle.

- **Cohere and Aleph Alpha** said they are forming a transatlantic AI powerhouse anchored in Canada and Germany to build sovereign, enterprise-grade AI for businesses and governments [26].
- **Meta and AWS** agreed to bring tens of millions of AWS Graviton cores into Meta's compute portfolio to scale Meta AI and agentic experiences [27].
- **Cloud GPU scarcity is tightening again.** Reporting from *The Information* says providers like Microsoft are diverting GPUs to internal teams or larger customers, leaving smaller AI startups scrambling [28].

Quick Takes

Why it matters: These smaller updates add texture to where models, agents, and benchmarks are moving next.

- Anthropic's **Project Deal** let Claude agents negotiate for 69 employees; they closed 186 deals worth over $4,000, and Opus models got substantially better deals than Haiku models [29, 30].
- **Xiaomi's MiMo V2.5 Pro** hit 54 on the Artificial Analysis Intelligence Index, tying Kimi K2.6, and scored 1578 on GDPval-AA; weights are expected soon [31].
- **ParseBench** found GPT-5.5 strong on tables and visual grounding for enterprise OCR, but weaker on charts, faithfulness, and semantic formatting, at 5.93¢ to 13¢ per page [32].
- **Tencent** open-sourced **Hy3 preview** as a 295B A21B reasoning/agent model, and it is now live on Arena for public evaluation [33, 34].

Sources

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2. X post by @OpenAIDevs
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