Gurobi®

GUROBI 14.0

# Redefining what's possible

Solve what was previously out of reach, explore more possibilities, and model more of the real world with high-quality solutions when you need them.



OUR NEXT RELEASE

# Gurobi 14.0

Gurobi 14.0 delivers major advances in optimization performance: solve what was previously out of reach, get high-quality solutions sooner, explore more possibilities, and model more of the complexity you find in the real world.

With significant speed-ups, greater solution precision, advances across MIP, LP, and nonlinear optimization, expanded PDHG capabilities, and GPU acceleration, you have more freedom to push the boundaries of what's possible with optimization.

**Your fast track to better solutions**

The world's fastest solver keeps getting faster—so you can get the answers you need, when you need them. Compared to Gurobi 13.0, version 14.0 delivers the following average speed-ups:

| Algorithm | Speed-Up* |
|---|---|
| MIP | 26% |
| Concurrent LP | 23% |
| Dual Simplex | 24% |
| Barrier | 22% |
| PDHG | 74% |
| Nonlinear Barrier | 84% |
| MINLP | >2x |

**Reported speed-ups are average values based on a large internal library of real-world models. Individual results may vary.*

In addition to these performance enhancements, Gurobi 14.0 introduces improved capabilities for nonlinear modeling, expands the role of PDHG with a new MIP heuristic, and improves PDHG performance across CPUs and GPUs.




## Better performance expands what's possible with optimization.

- **Get high-quality solutions sooner.** Gurobi 14.0 improves the quality of the solutions you can obtain within the time you have available—and for difficult problems where proving optimality isn't practical, it improves the ability to find high-quality solutions earlier.
- **Model more of the real world.** Greater performance allows you to extend planning horizons, geographic scope, granularity, and interconnected decisions with fewer computational compromises. Major nonlinear advances make richer mathematical representations more practical.
- **Solve what was previously out of reach.** Performance gains make the difference between a problem that is impractical to solve within the available time and one that delivers actionable answers when you need them.
- **Explore more possibilities.** Shorter solve cycles create room for more scenarios, iteration, collaboration, and faster decisions.

With these improvements, you're not just getting solutions faster—you're unlocking more opportunities to optimize what matters most, with fewer compromises.

# Experience the power of Gurobi for yourself

Try Gurobi free for 30 days, including:

- Free benchmarking services
- Free model tuning services
- Free access to our world-class technical guidance and support
- Free access to the **Gurobi Intelligence Hub** and our AI-powered agents designed to help you build, understand, troubleshoot, and interact with optimization models more effectively.

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