

www.inspiration-q.com

Beat the Index

Hybrid Active-Passive Optimization

We solve complex problems
by applying **quantum-inspired computing**



The “impossible” made possible

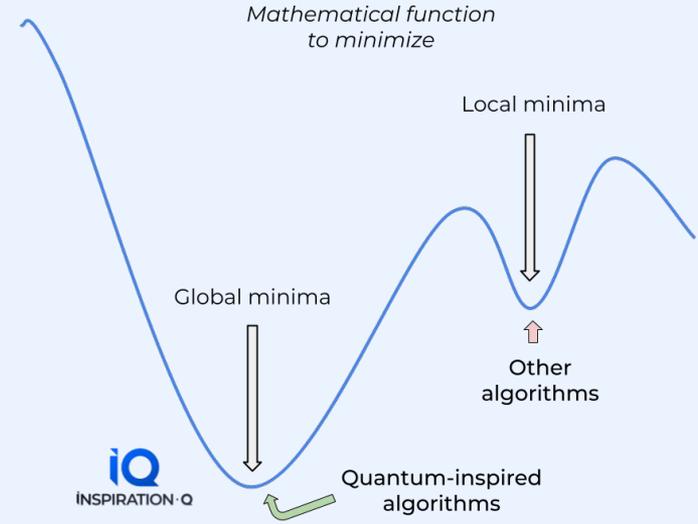
Example: Time to compute the best basket of 10 assets from an index of 130 components

iQ Index Tracking

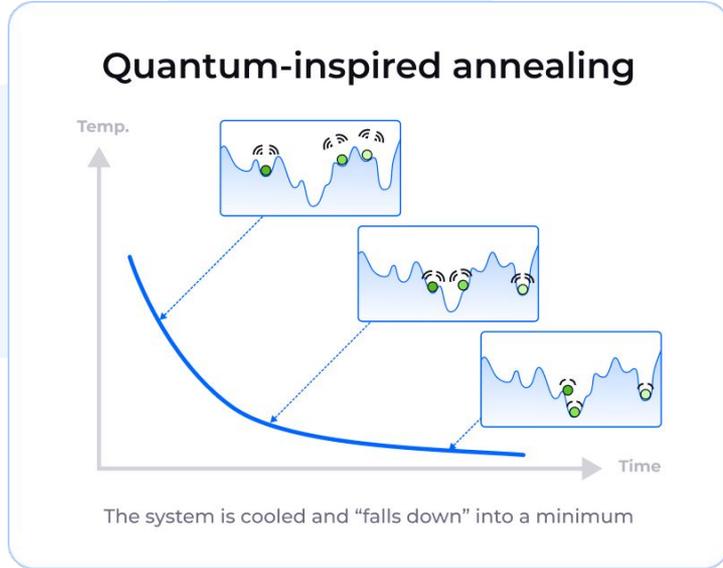
10
seconds

Standard Optimizer

1
year
(impractical)



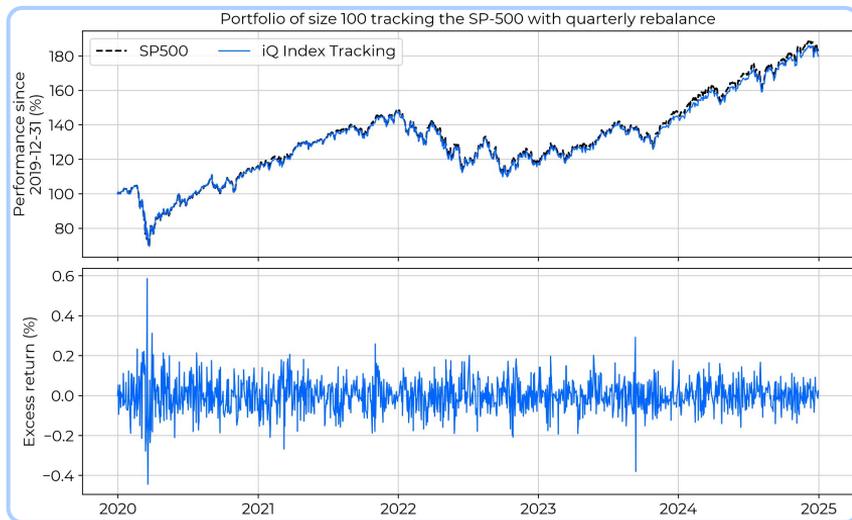
Quantum-inspired algorithms: state-of-the-art optimization



While other solvers get stuck in local minima, **our algorithms find global minima**, leading to better performance.



We applied our tech to Direct Indexing: it worked



Example Performance

For SP500: below 2% annualized tracking error with only **60 assets** and quarterly rebalance.

Key benefits

- Reduce trading costs by **60%**, along with tracking error, operational risks.
- Total **customization** of constraints



Choose your path to market alpha with iQ Index Tracking Plus



**Sentiment Analysis
Constraint**



**Dividend yield
constraint**



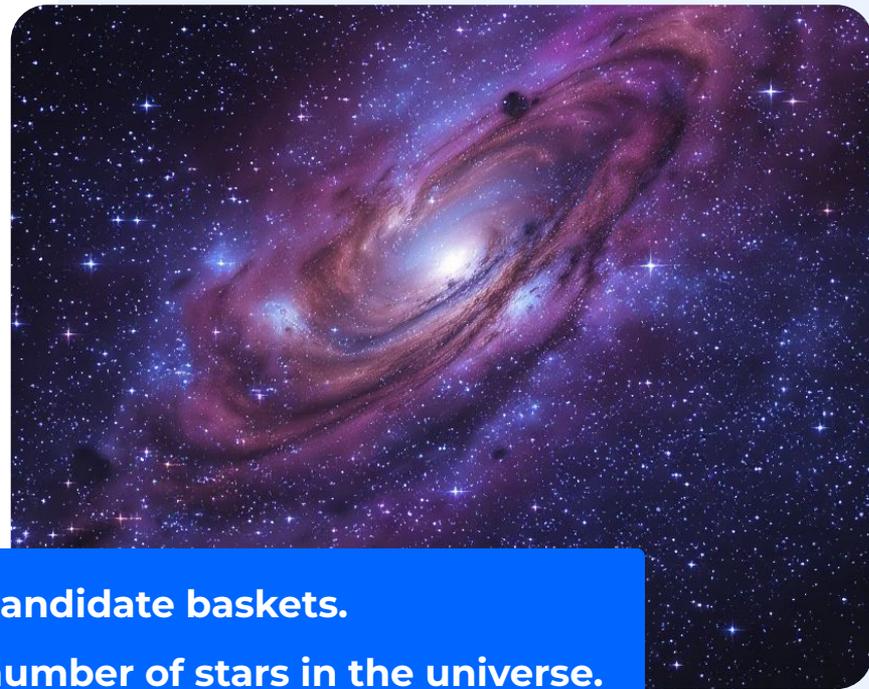
Momentum constraint



**Semivariance
optimization**

Outperforming Nasdaq 100 Total Returns with iQ Index Tracking⁺

Build 50-asset portfolios whose price returns excluding dividends closely track the total return of the NASDAQ 100 TR index (including dividends)

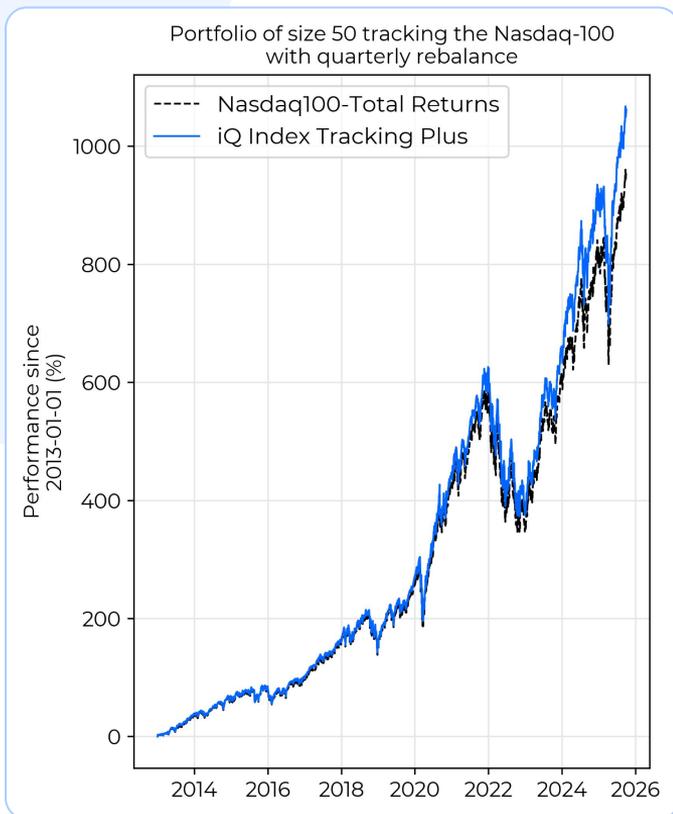


$\approx 1 \times 10^{29}$ candidate baskets.

10x the number of stars in the universe.



Optimal portfolio performance



Mean annual returns 2013 - 2025

Nasdaq 100	19.0 %
Nasdaq 100 TR	20.2 %
QQQ TR	20.1 %
iQ Index Tracking⁺	21.9 %
Spread over QQQ	1.8 %



QQQ is one of the most widely followed and traded ETFs in the world. It tracks the Nasdaq 100.





Thank you!

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