

Hilbert's tenth problem over the rational numbers

Original summary — NOT the original paper or model card.

Repository manuscript; independent validation not established · October 6, 2026 [46]

Authors/source: OpenAI

Coverage: Hilbert tenth direct match

What the source reports

Direct match at 18:50: undecidability of existence of a rational zero of arbitrary-variable integer-coefficient polynomials. Not merely a time-complexity lower bound or P versus NP. [46]

Managing expectations

Not listed in current formalization.yaml sources; no verified full-paper formalization established here. No independent peer-review certification established by these repository materials. This brief reports the manuscript claim; it is not a verification of its proof. [46]

Original document and sharing status

The original source remains available at the official links below. Full-document redistribution permission was not established, or this topic has no standalone paper. Only this original summary is reproduced here.

Recorded rights: Root repository Apache-2.0; explicit paper/PDF redistribution scope not established [40]

Sources and downloads

[Primary source / manuscript details \[46\]](#)

[Official original document / PDF download](#)

[Complete document library](#) · [Read the research roundup](#)

Source briefs are Managing Expectations editorial summaries, not independent replications, peer review, or medical advice. Source claims and release details may change.