

# Multiple-Source Context-Free Path Querying in Terms of Linear Algebra

Full-stack support of context-free path queries<sup>1</sup>

- Multiple source CFPQ algorithm based on sparse linear-algebra
- Cypher graph query language extension<sup>2</sup> to express the constraints
- RedisGraph<sup>3</sup> database based on linear algebra which supports Cypher

**Context-free path queries** in real-world applications  
which use **RedisGraph** database with **Cypher** query language.

Try it out: `url_to_landing`

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<sup>1</sup>Like regular path queries (RPQ), but strictly more expressive

<sup>2</sup><https://github.com/thobe/openCypher/blob/rpq/cip/1.accepted/CIP2017-02-06-Path-Patterns.adoc>

<sup>3</sup><https://oss.redislabs.com/redisgraph/>