Graph database watermarking using pseudo nodes

1. Introduction

- Media is constantly transferred over an open channel, which allows for high amount of unauthorized or fake data to be marketed as real and reliable in the open
- Watermarking provides a way to prove authenticity and integrity of the data

2. Research

The research introduces an improved method for watermarking by identifying and improving upon flaws inside already established watermarking technique. It focuses on a new watermarking technique introduced in 2022, studying it in detail and identifying possible ways the algorithm can be broken.

3. Terminology

- `_id` field The field name _id is reserved for use as a primary key
- Pseudo document a fake document designed to hold the watermark data

4. Research

A literature study is performed to find relevant watermarking techniques on NoSQL databases. A technique is chosen and analyzed. Then, improvements to the algorithm are implemented and tested to determine how the applied changes influenced the security of the watermark.

