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Neo4j best practice to deal with floating point arithmetic



I have nodes and edges on a neo4j graph DB that need to store decimals.

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I also need to perform some multiplications with those numbers and keep precision and accuracy. My first thought to solve this problem was to store all the numbers to the smallest order of magnitude to turn them all to positive integers.



The problem with this approach is when I performing multiplication on those large numbers I sometimes get out of bound of neo4j integer field.

Any suggestions on how to handle this?

Another thought was to also store the exponent on another field and pulling it on my cypher while doing the calculations... I fear that this would really complicated the cypher queries

Any ideas on how to deal with this?

thanks,

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asked Apr 2 at 15:37



[user618589](#)

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asked 4 months ago

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