

Mainideas

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- Preserves only the properties of Sx we need

• Small space algorithm never outputs these properties

• Can use PRGs that fold smaller space algorithms

• Fasten has function evaluation!

Main Ideas

- We don't need to preserve the distribution of Sx
- Preserve only the properties of Sx we need
- Small space algorithm now only outputs these properties
 - Can use PRGs that fool smaller space algorithms
 - Faster hash function evaluation!

Query lower bounds for LRA

with David Woodruff [NeurIPS '23]