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• Improves on $poly(\log n)$ update time of earlier works such as [Andoni, Krauthgamer, Onak '10]

- Theorem: For $0 , can approximate <math>F_p(x)$ up to $1 \pm arepsilon$ using optimal $O(\varepsilon^{-2}\log n)$ bits of space and $O(\log n)$ update time

• Valid only for $\varepsilon < 1/n^c$

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