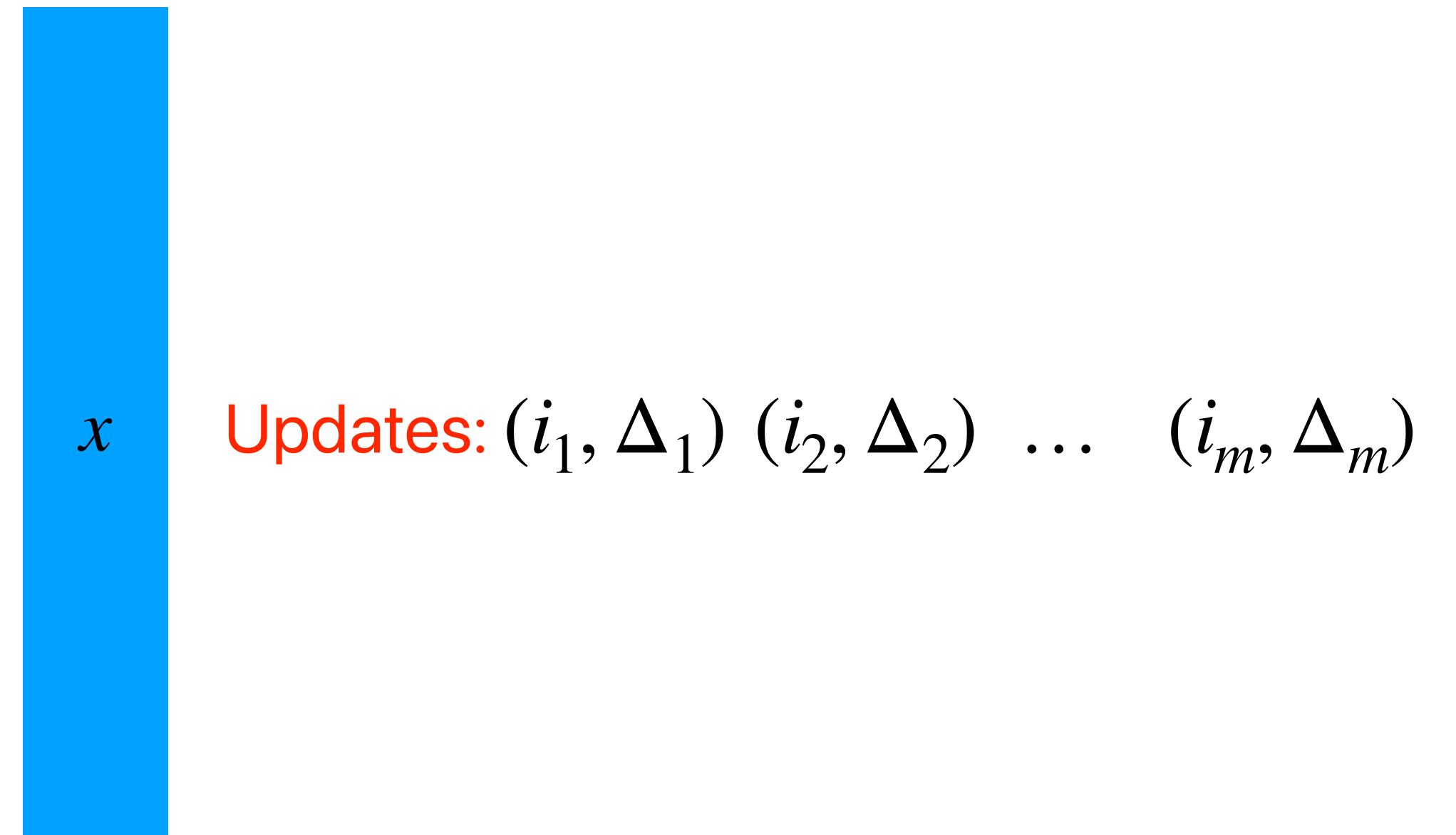


Turnstile Streaming

- Initialize $x \leftarrow 0 \in \mathbb{R}^n$
- On update (i, Δ) :
 - Set $x_i \leftarrow x_i + \Delta$
- Answer queries about x using **small space**
 - $\max_i |x_i|$
 - $\sum_i |x_i|^p$ (F_p moments)



Our Results