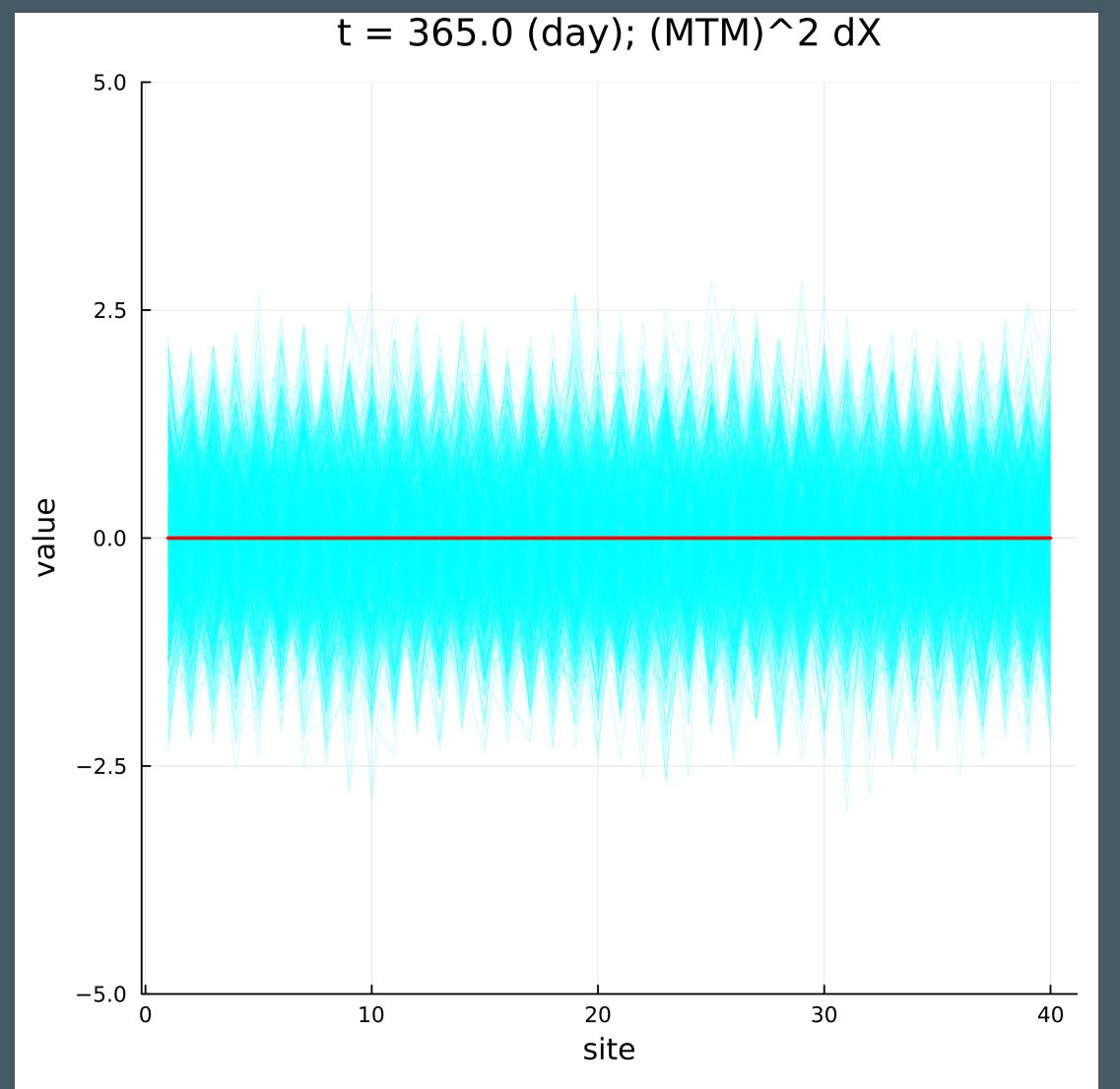
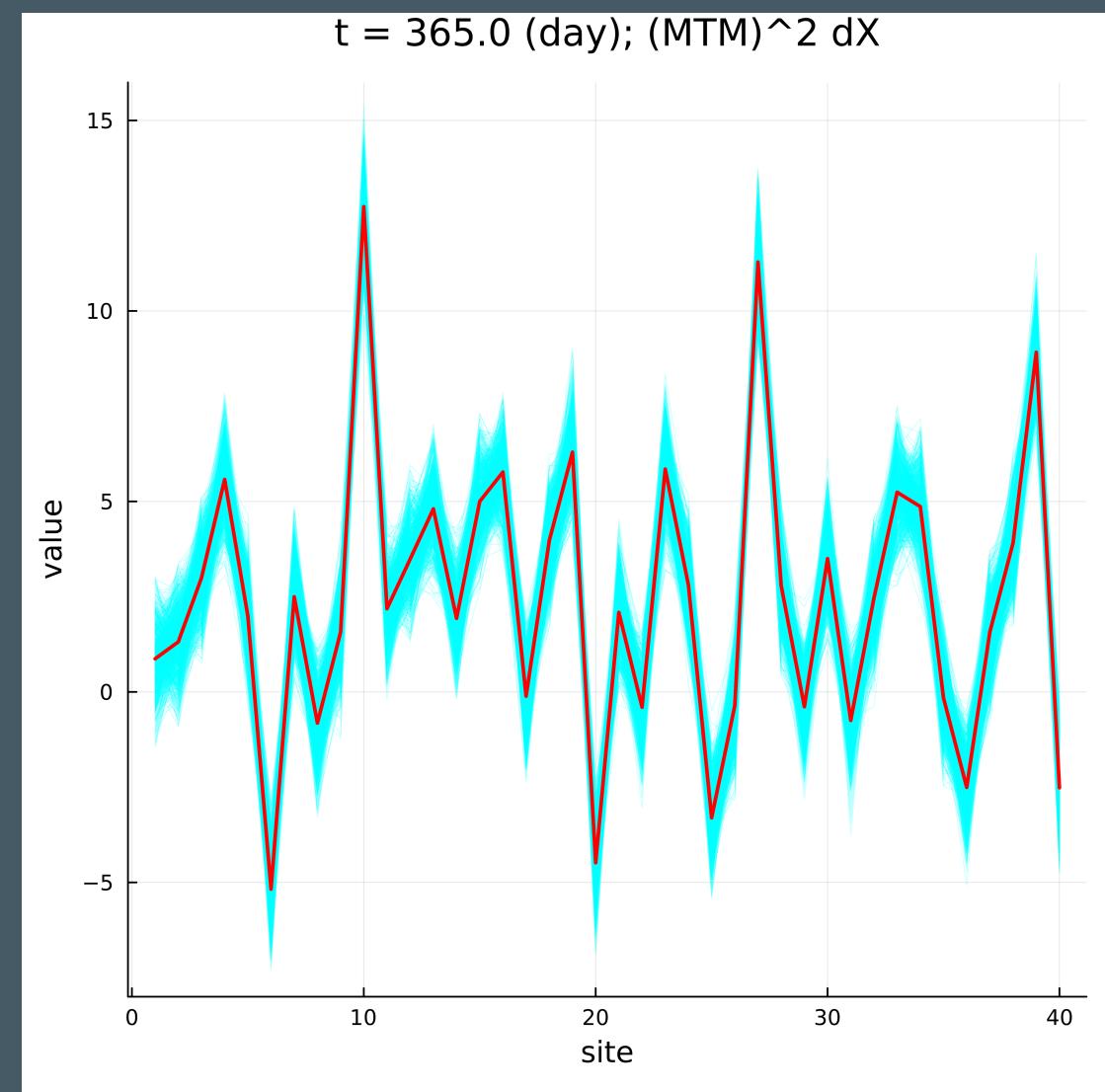


11月14日 進捗報告

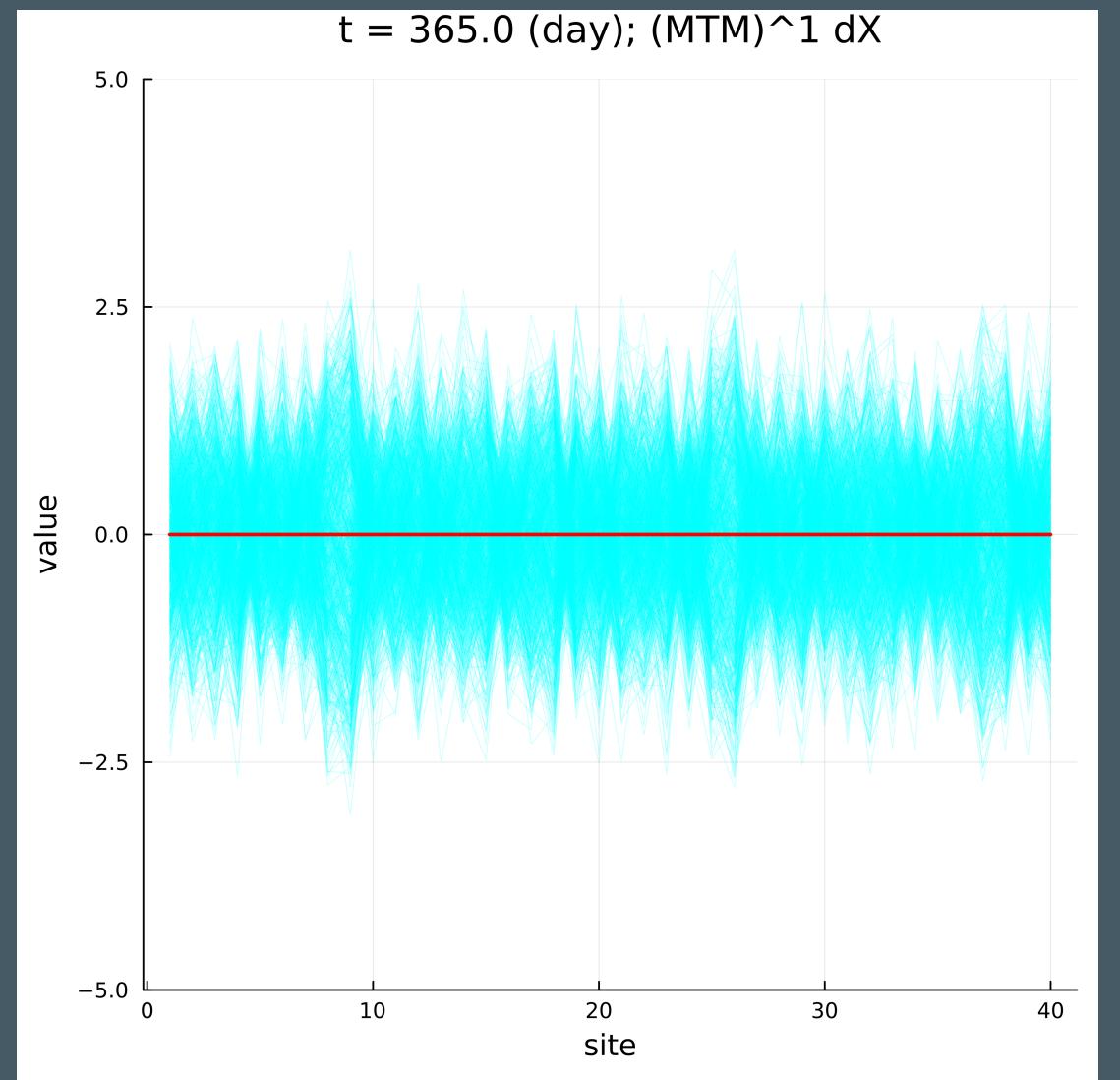
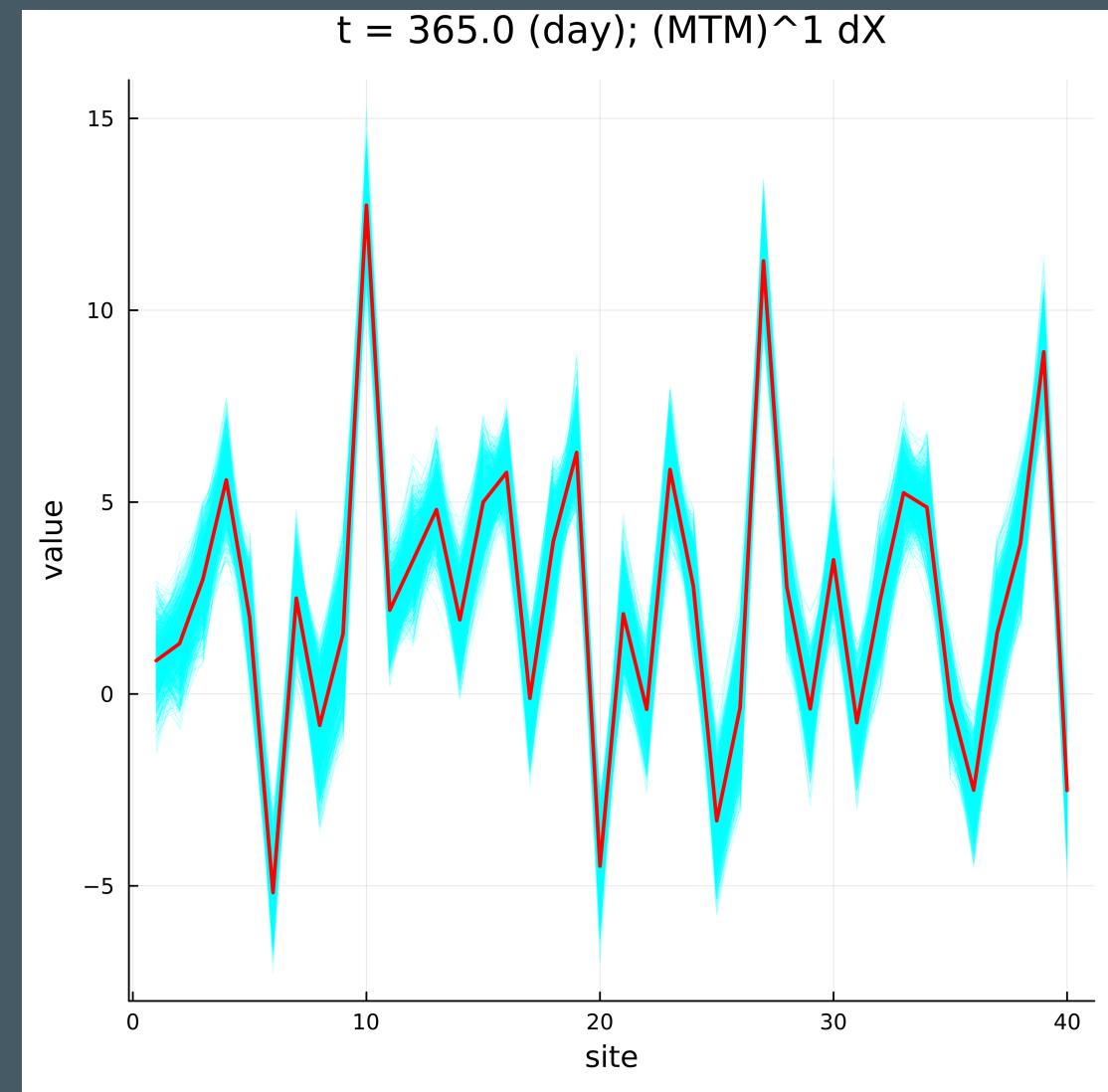
課題2: Singular Vector を TLM で計算する

0500-32-7354, 佐藤 匠

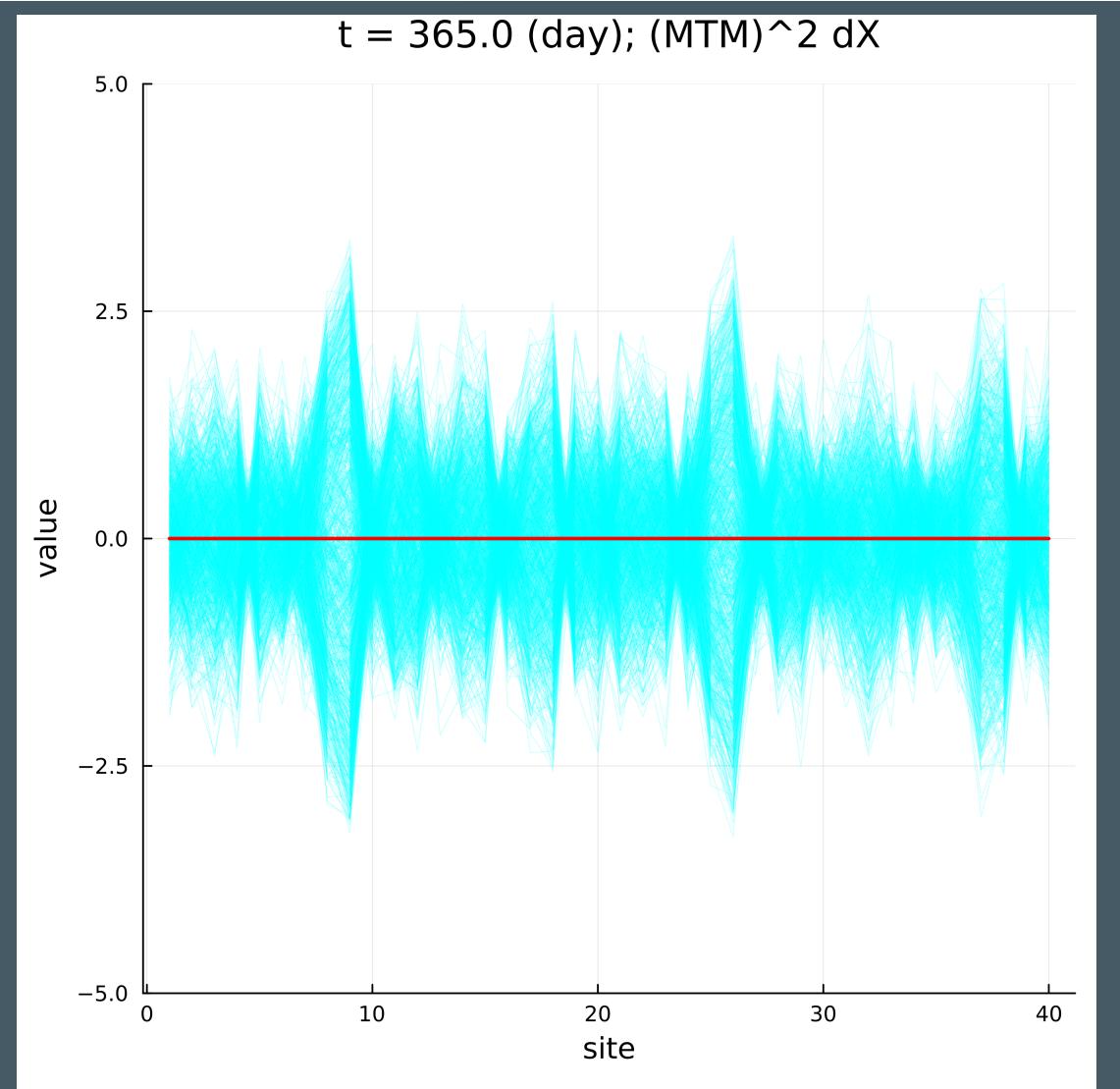
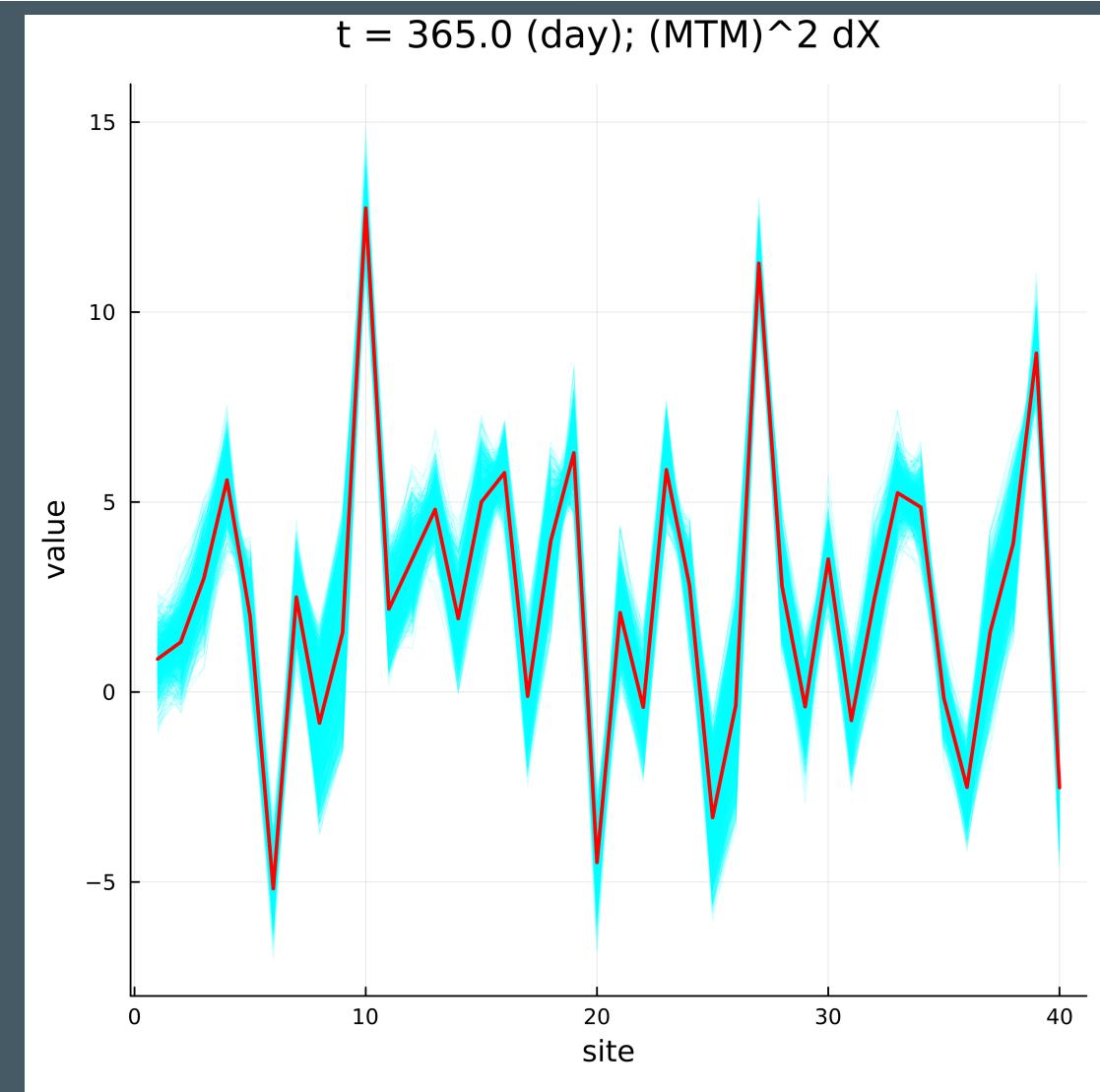
Lanczos 法 | 先週の話



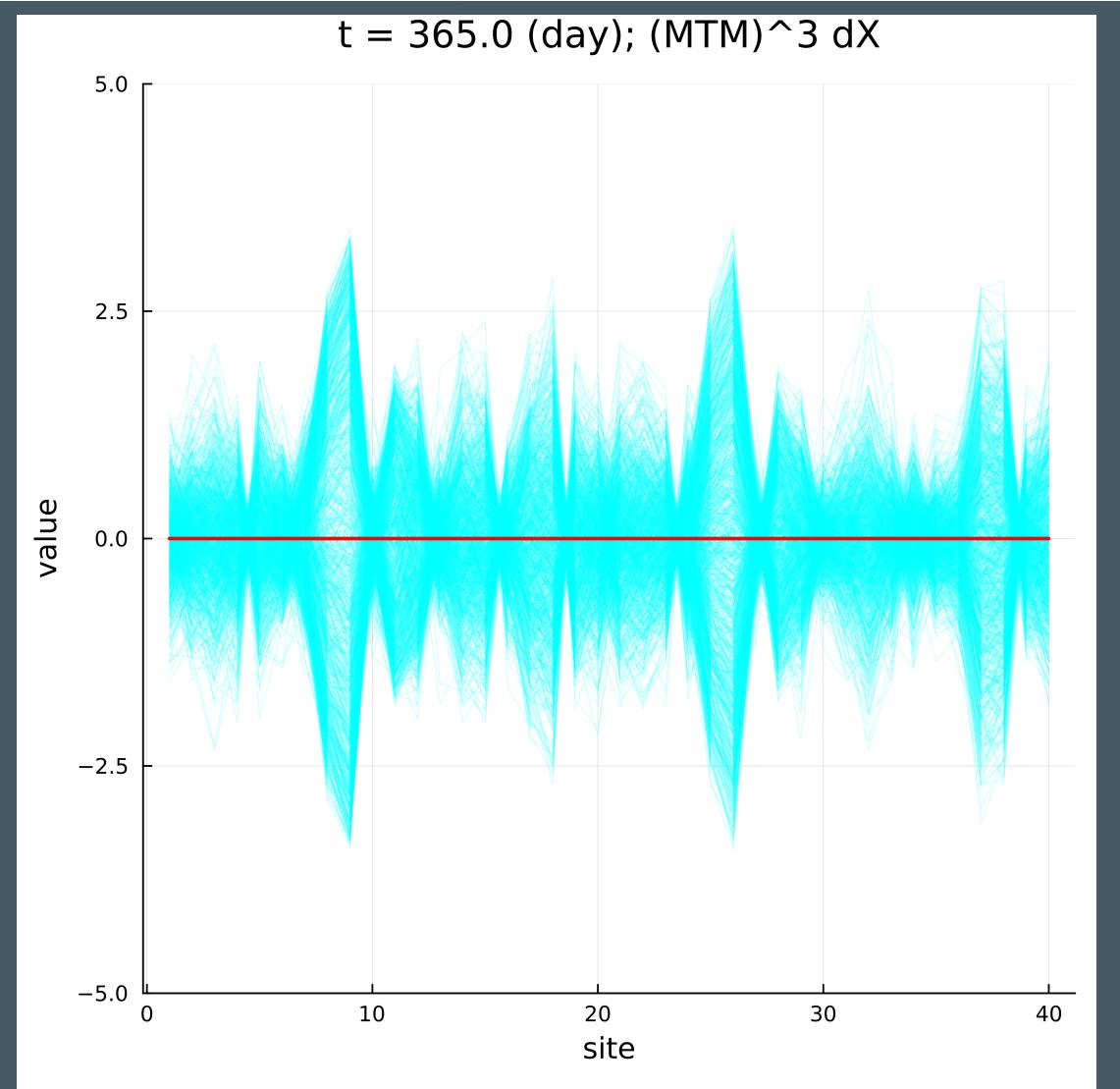
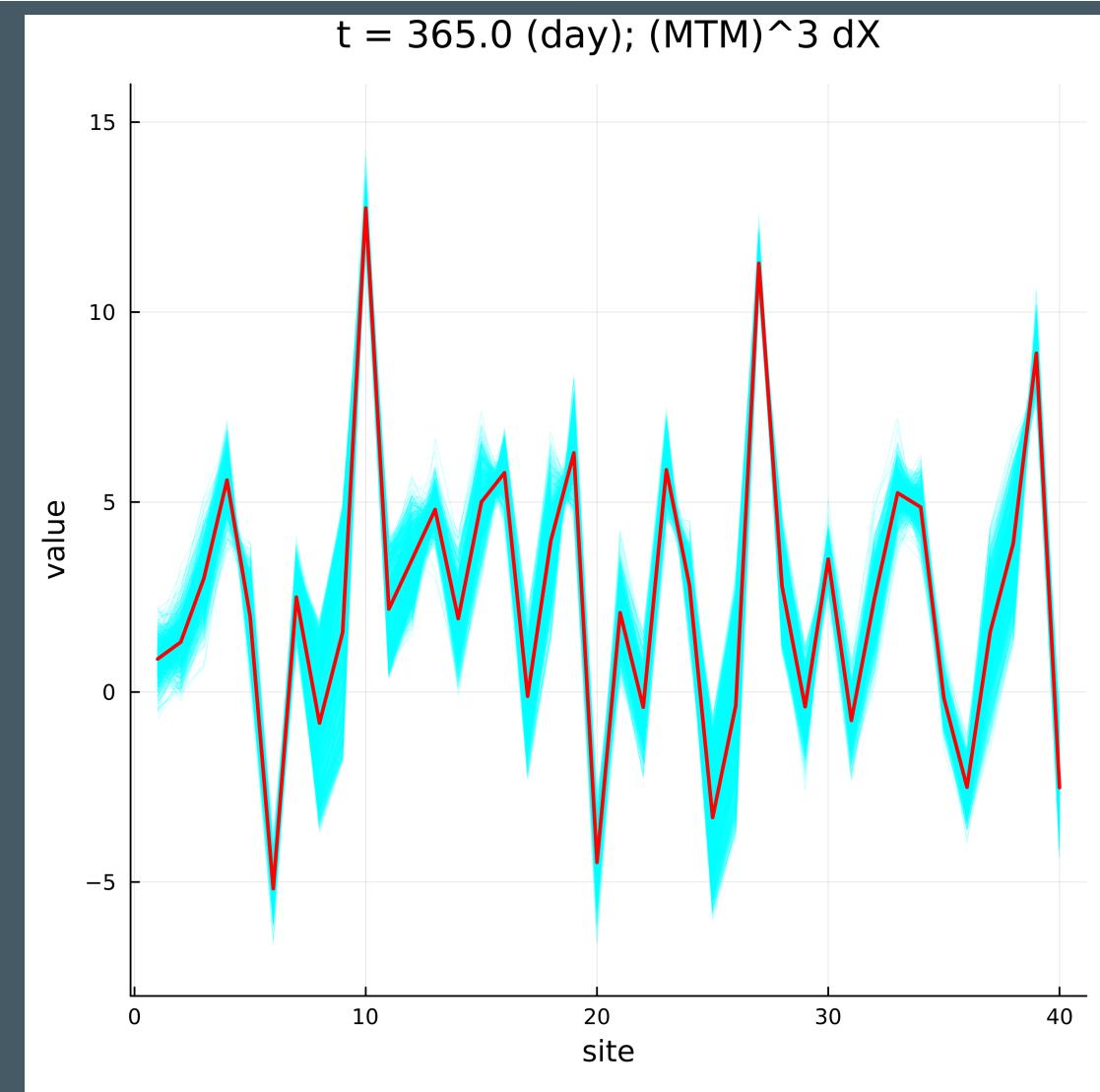
Lanczos 法 | 先週の話



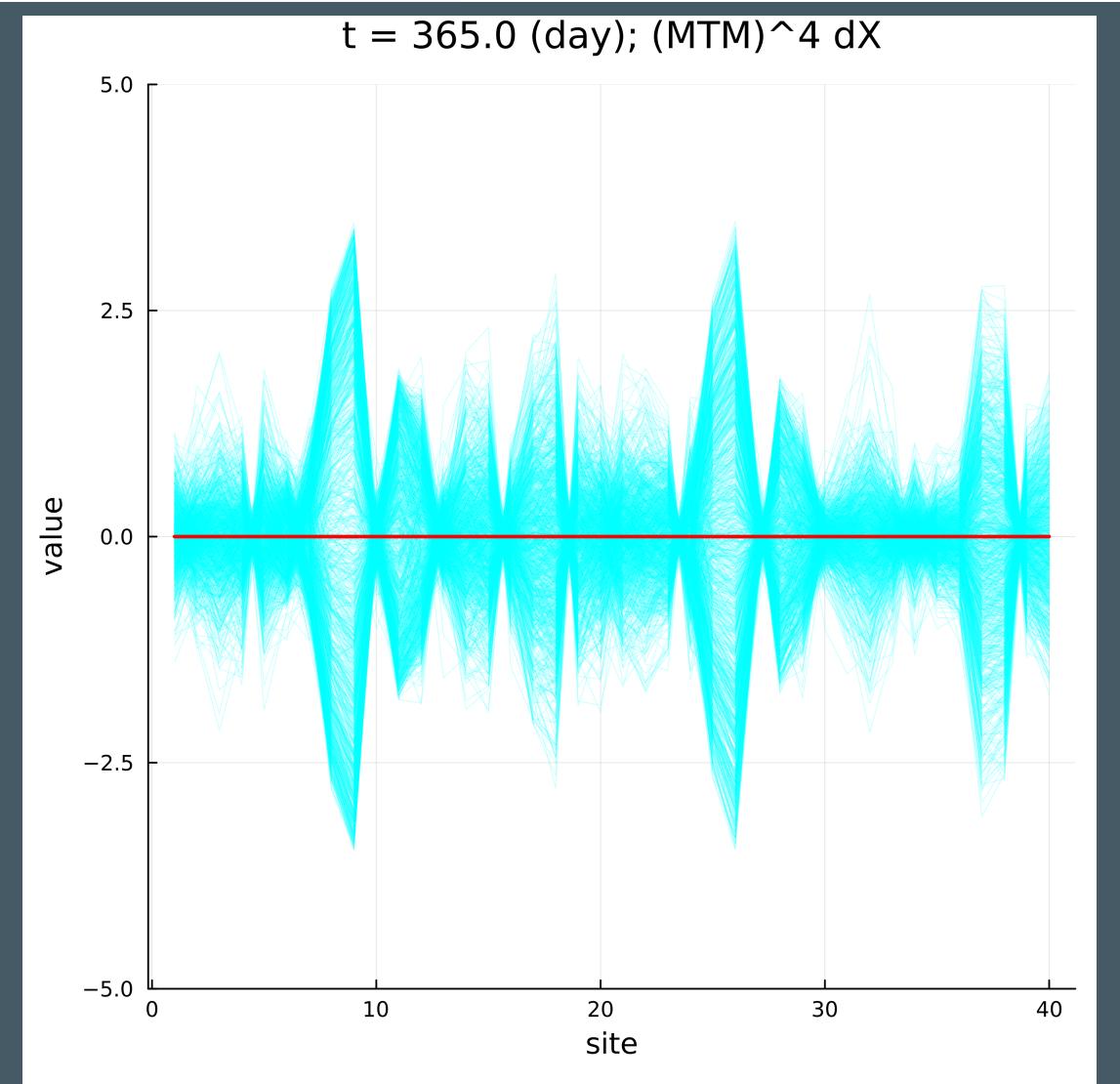
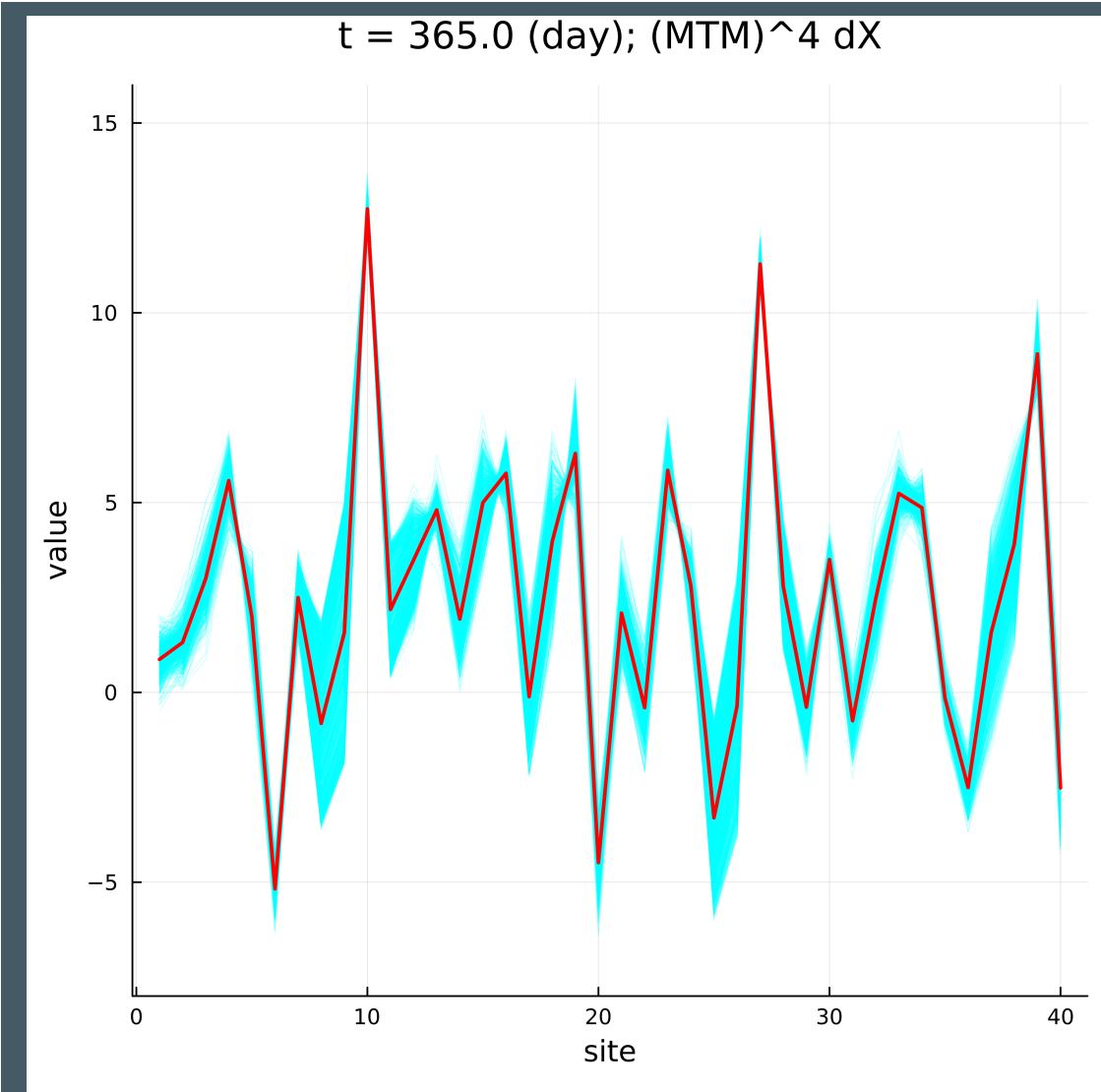
Lanczos 法 | 先週の話



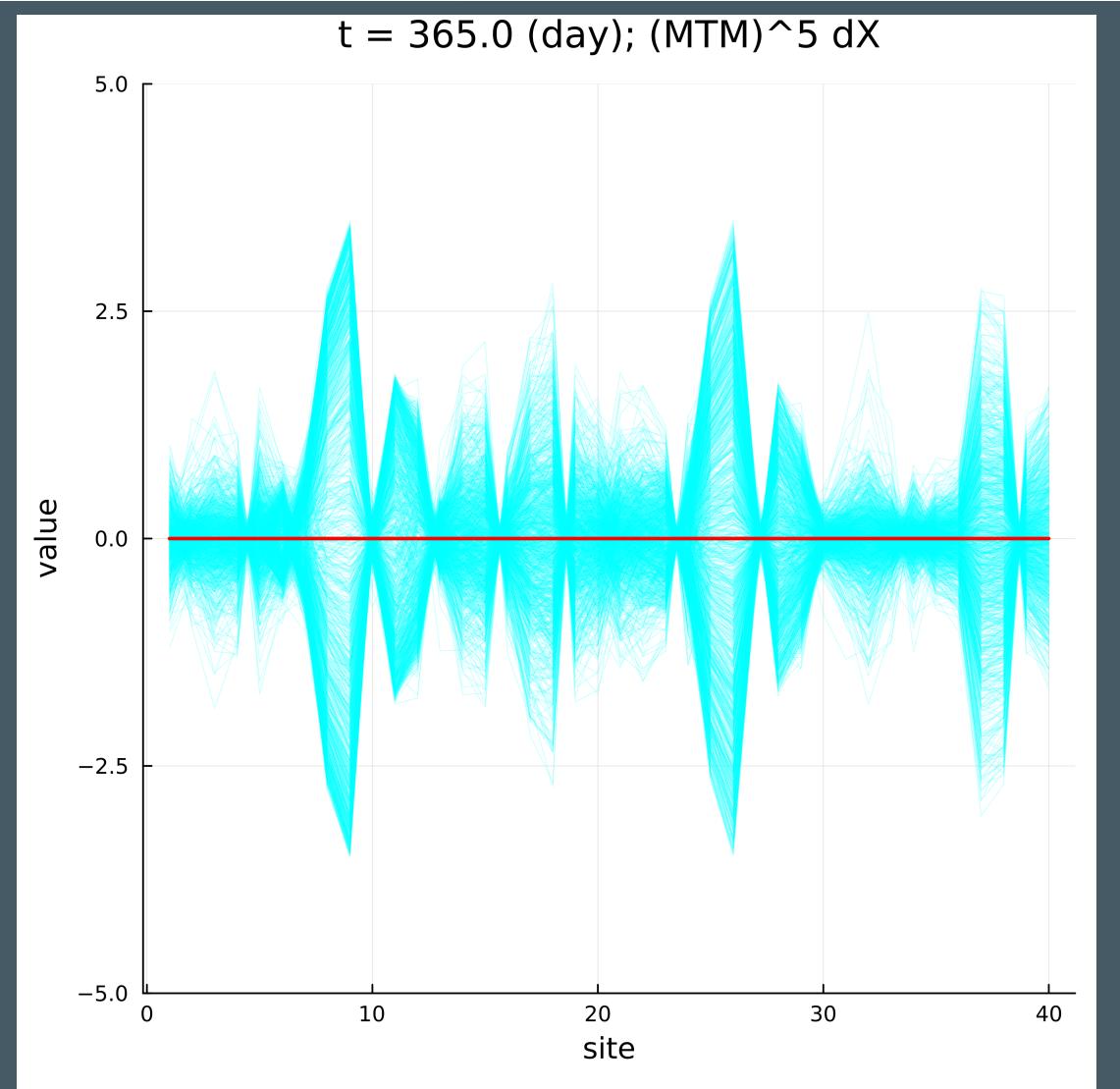
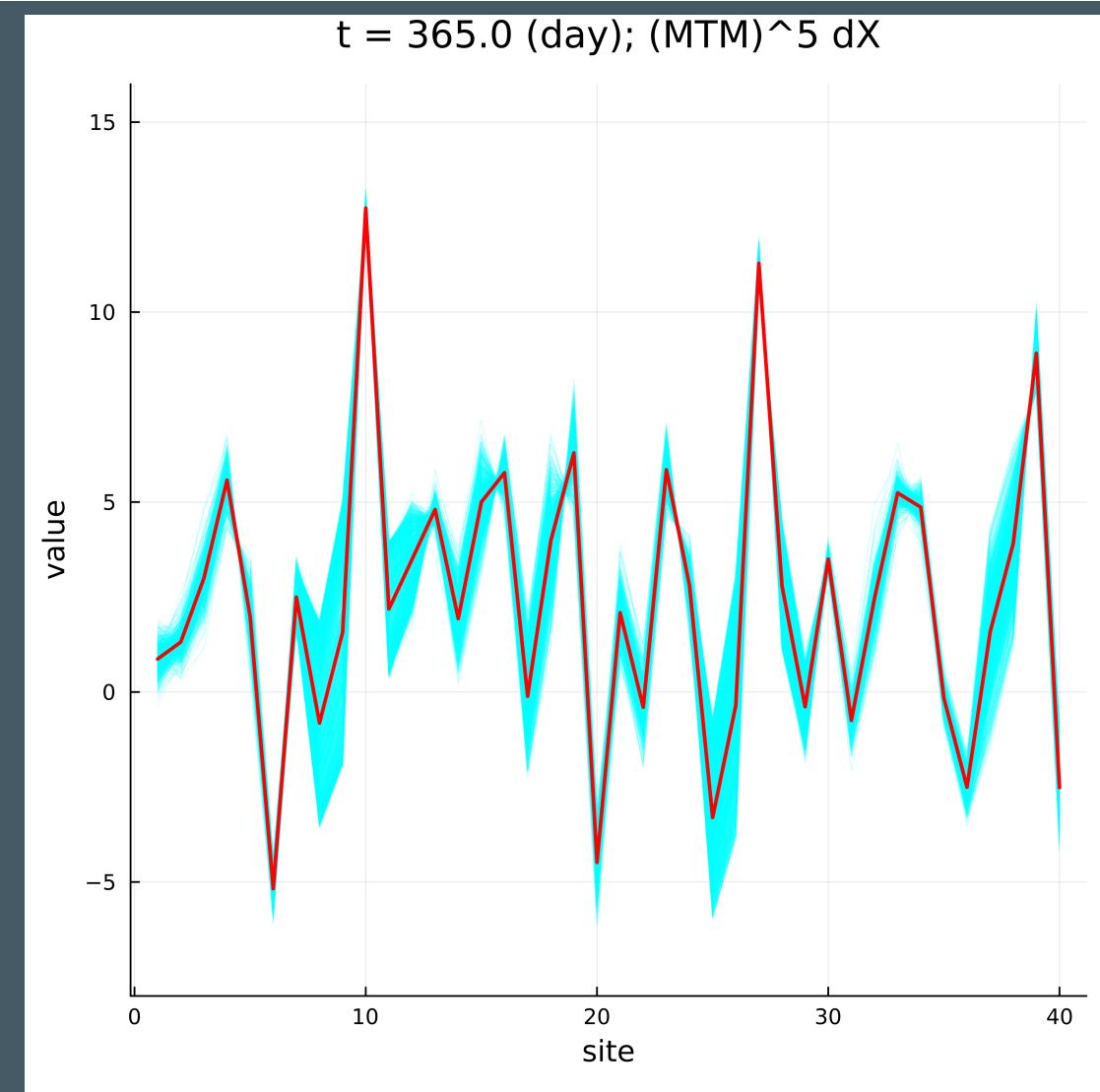
Lanczos 法 | 先週の話



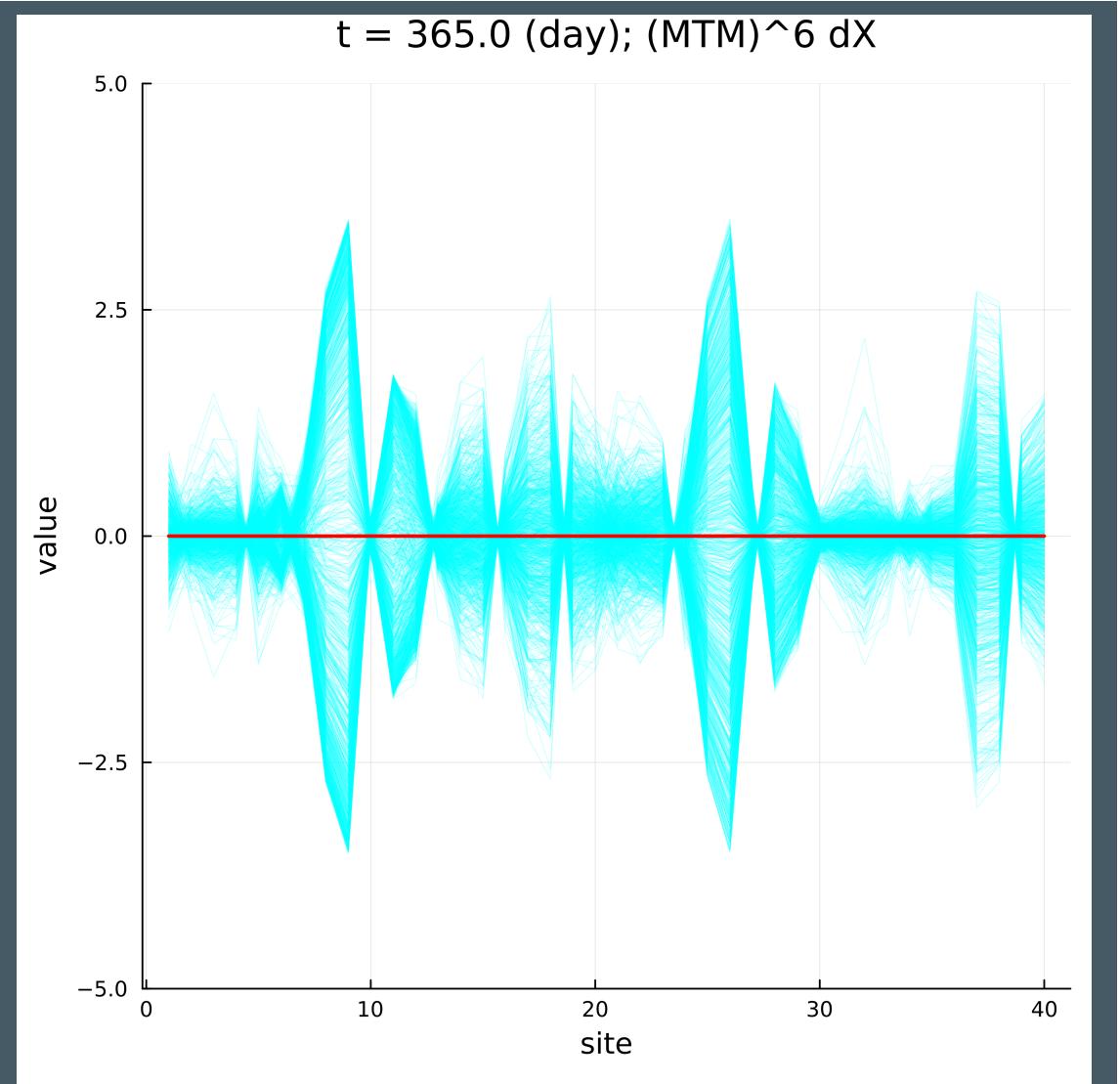
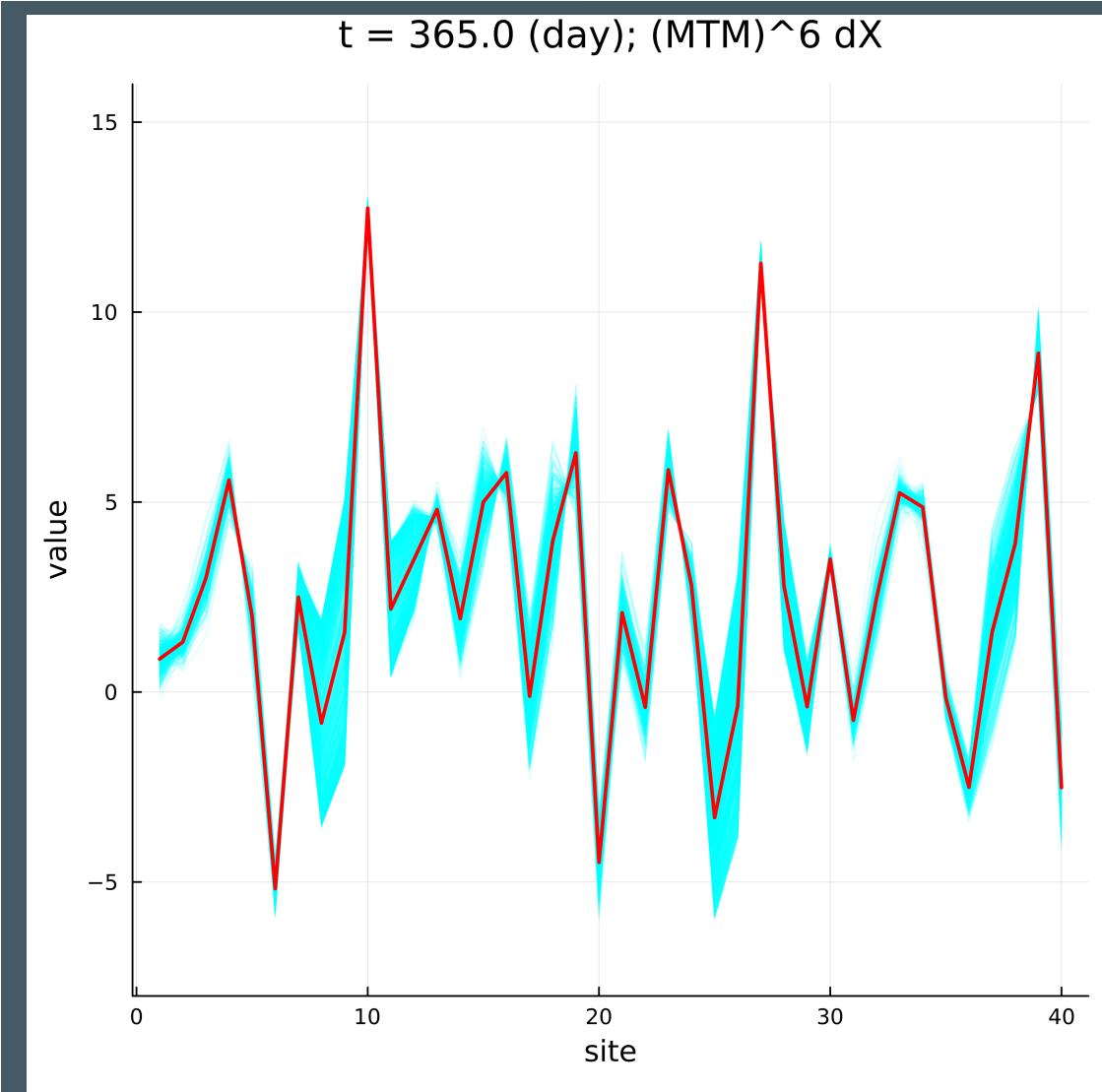
Lanczos 法 | 先週の話



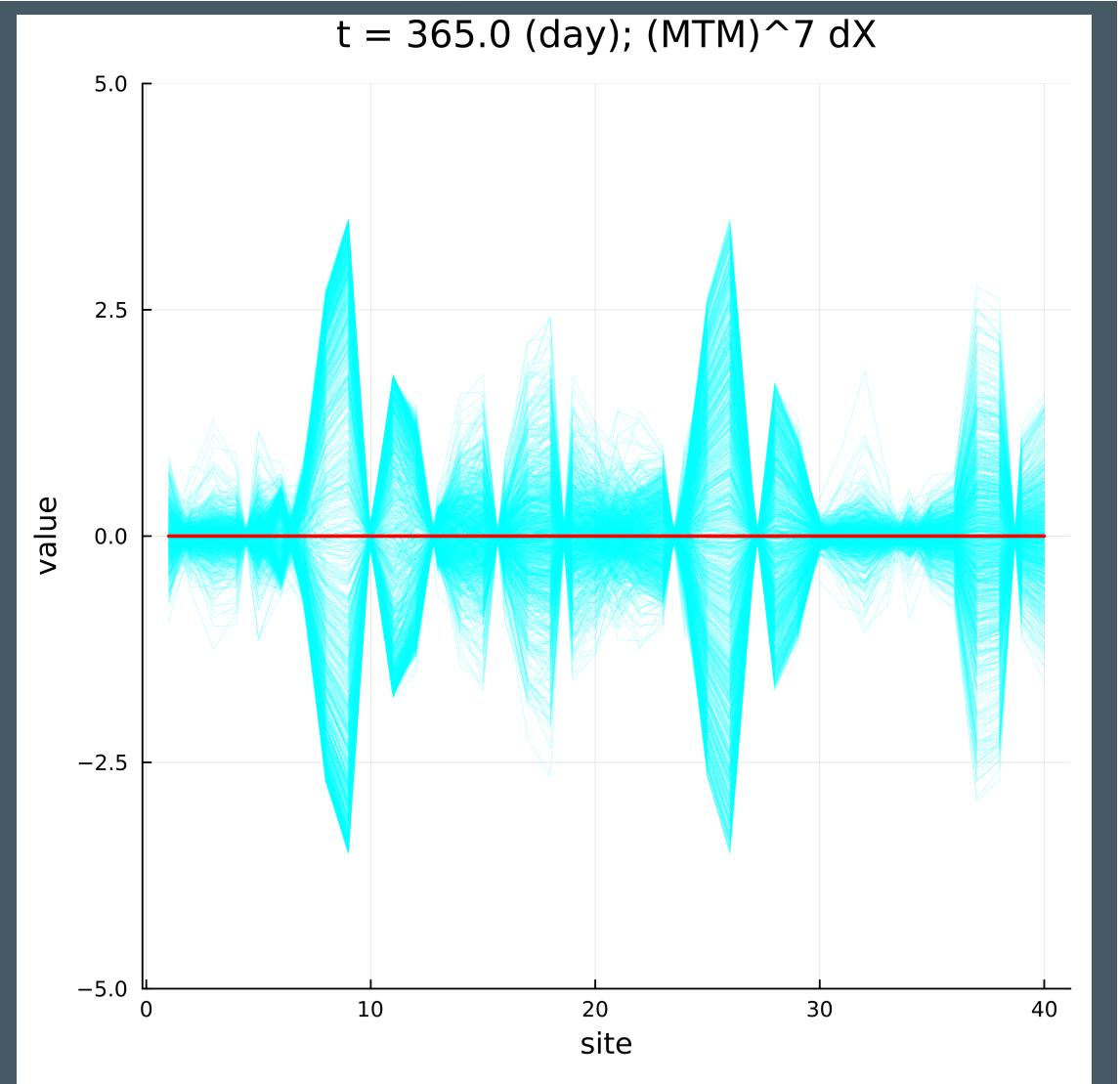
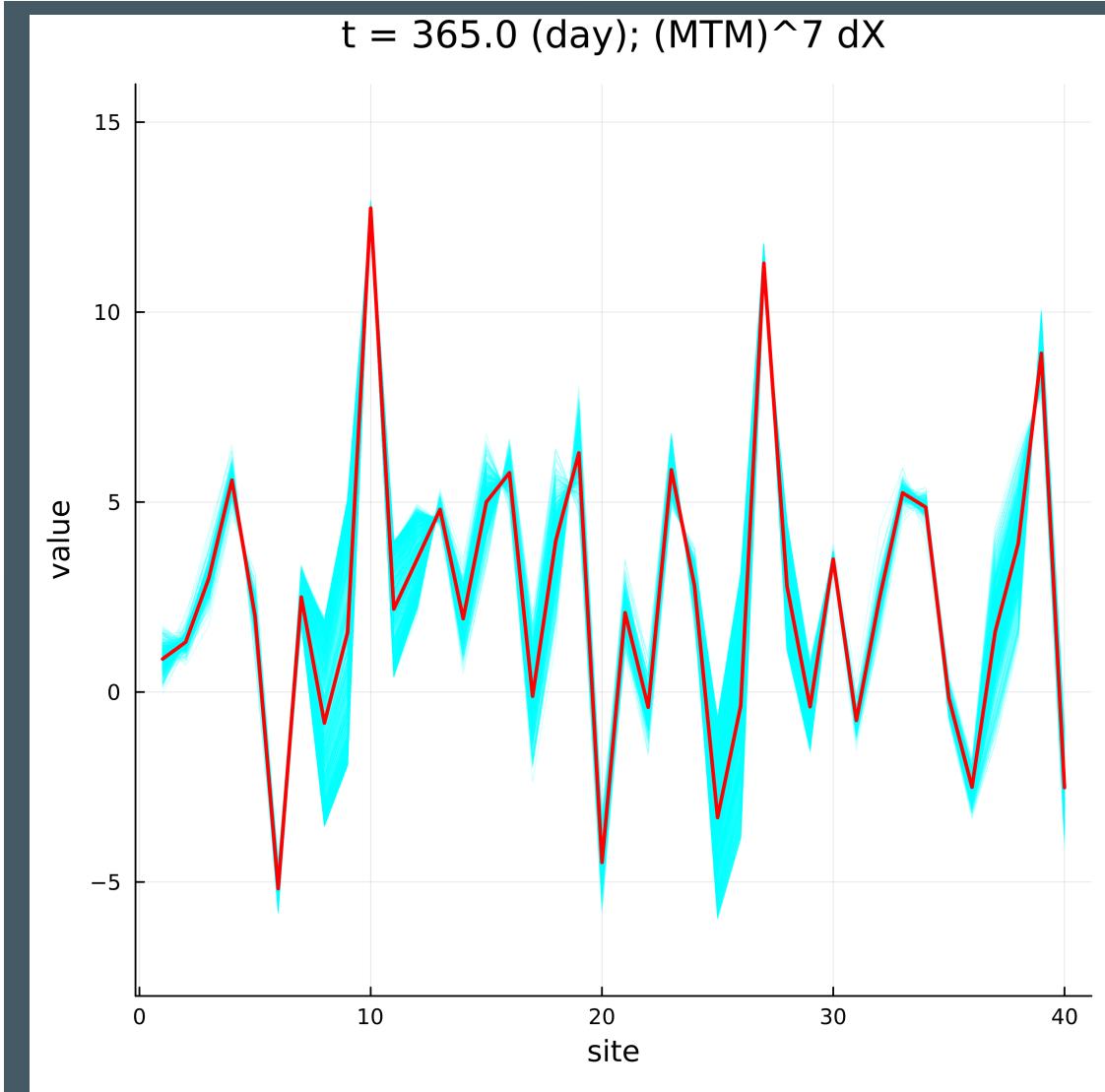
Lanczos 法 | 先週の話



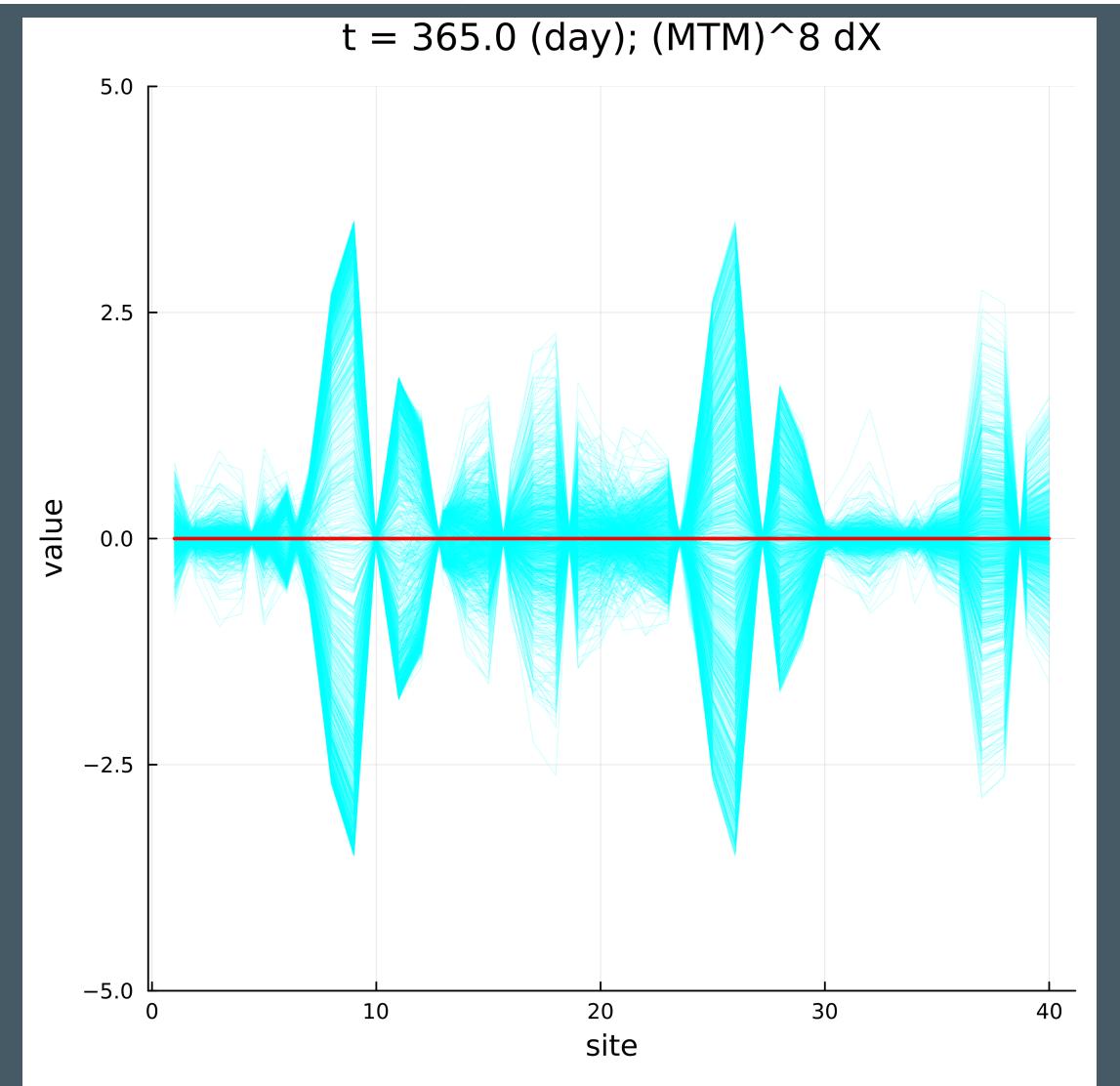
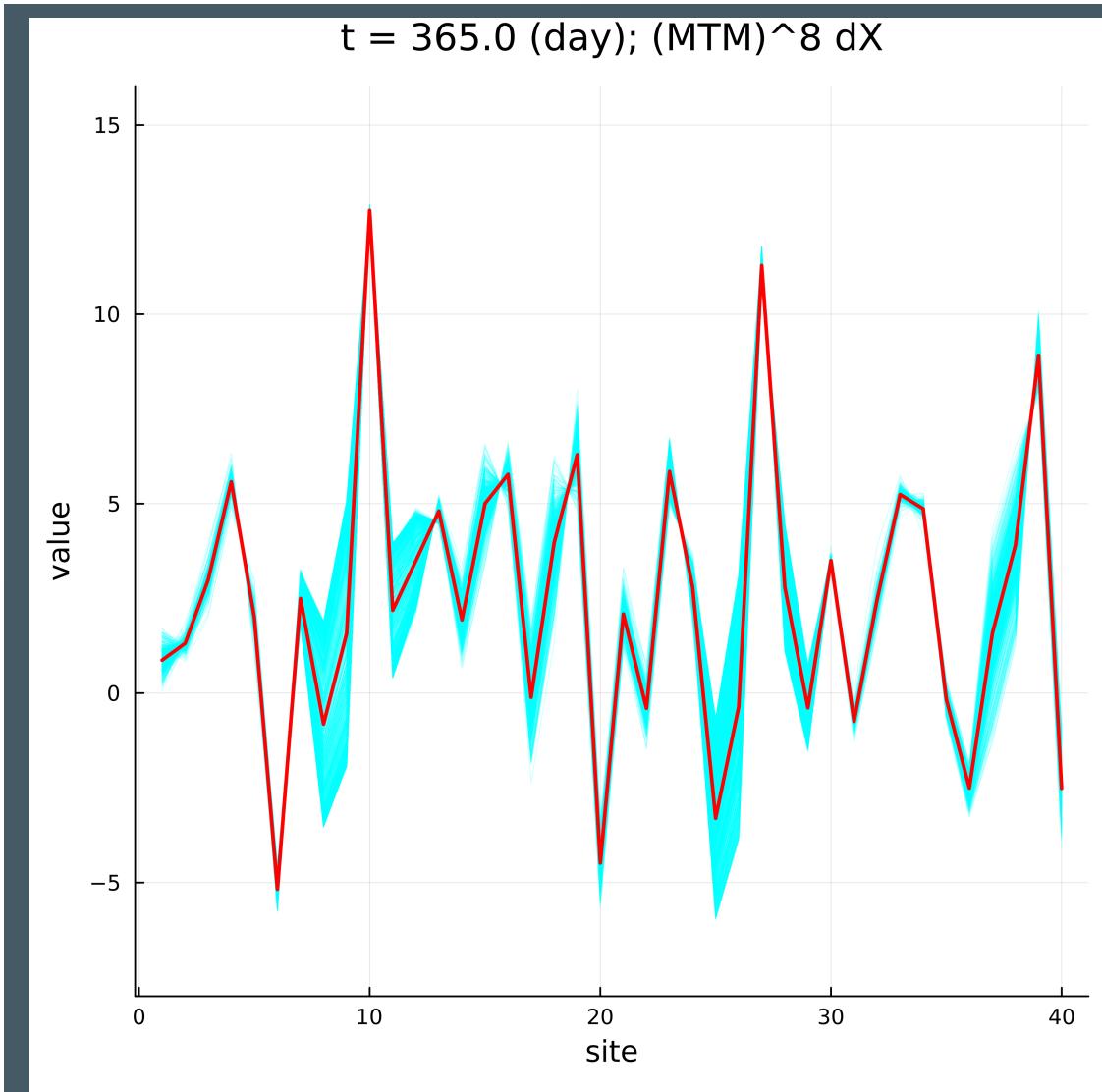
Lanczos 法 | 先週の話



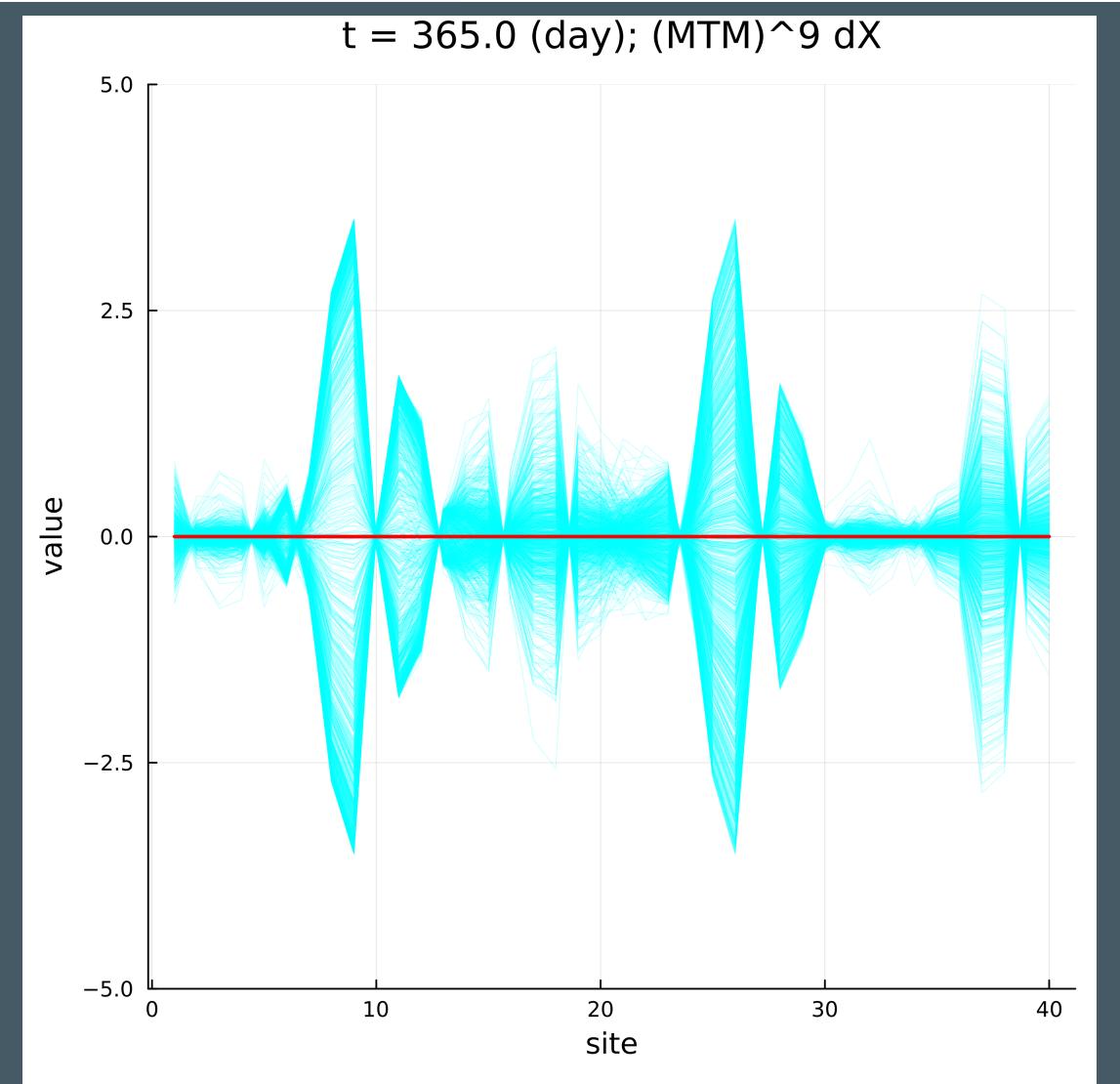
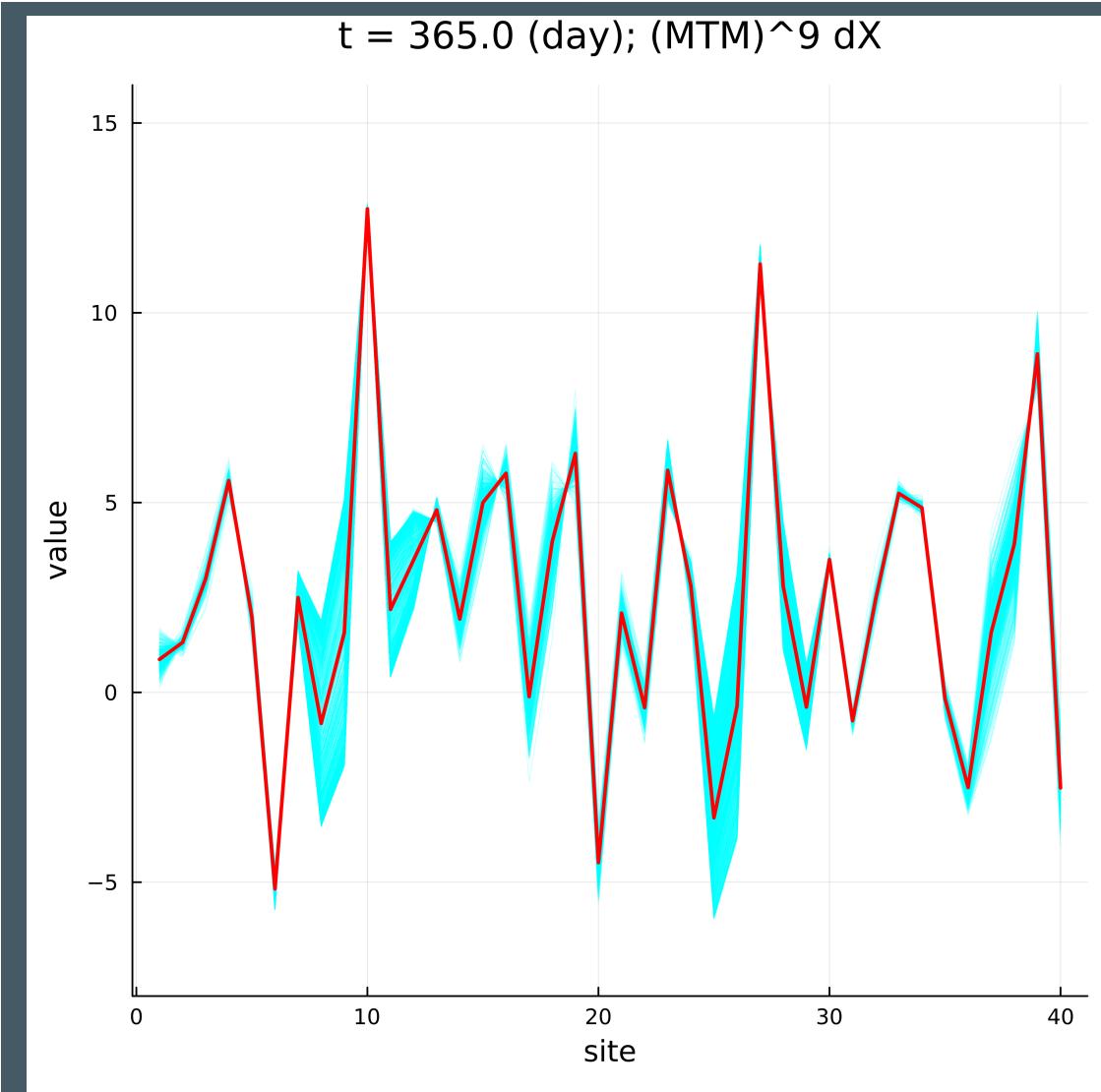
Lanczos 法 | 先週の話



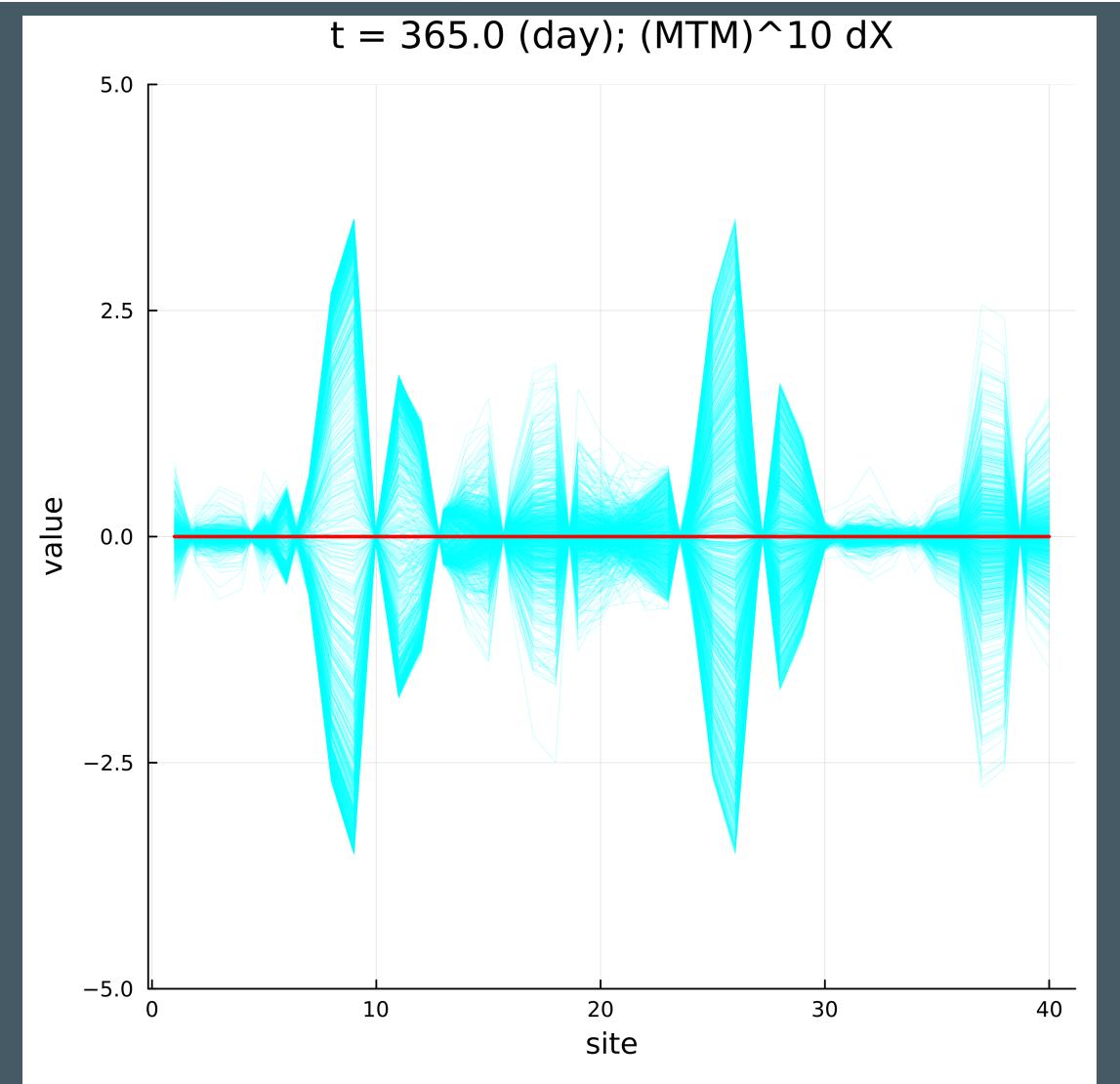
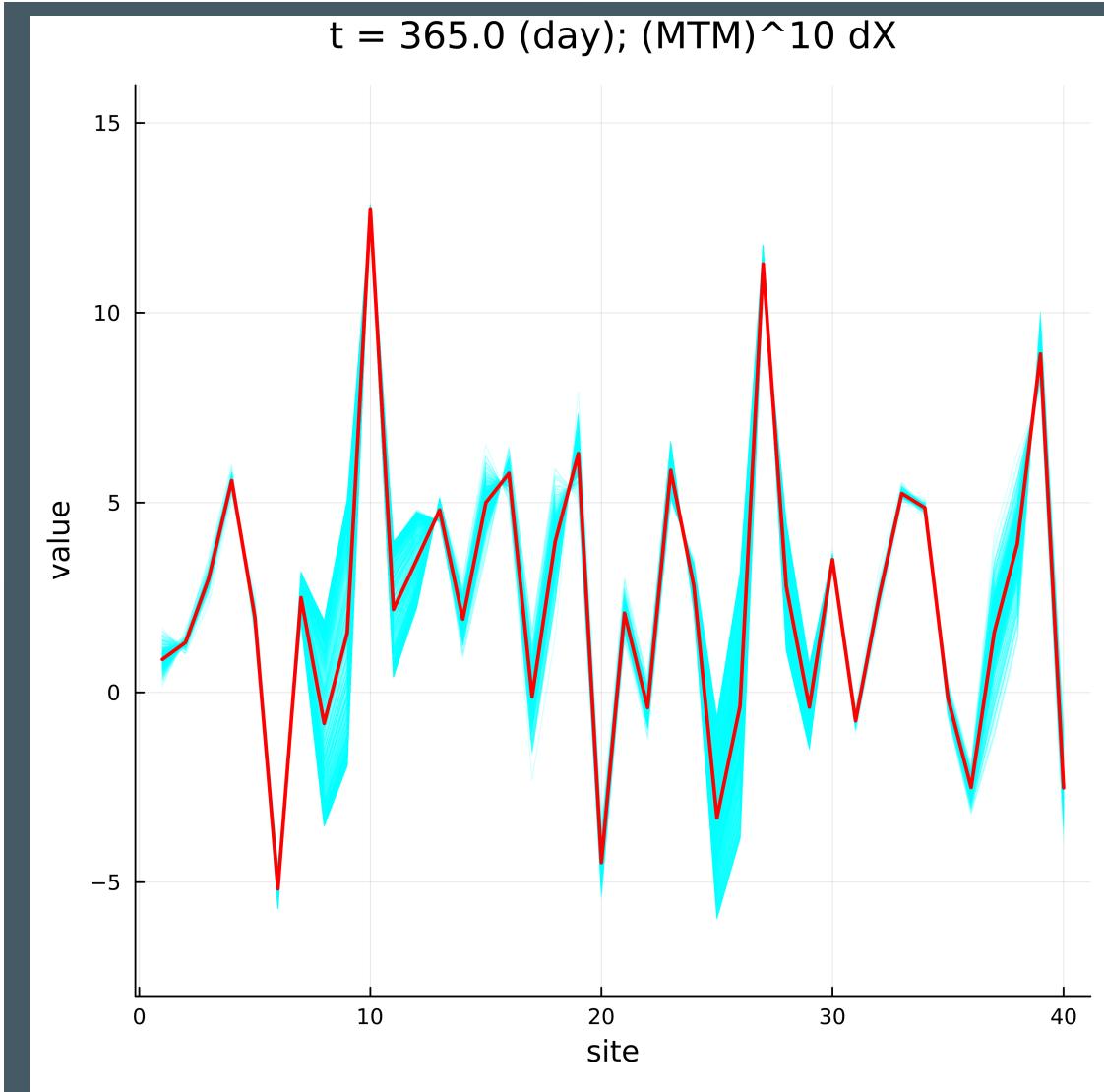
Lanczos 法 | 先週の話



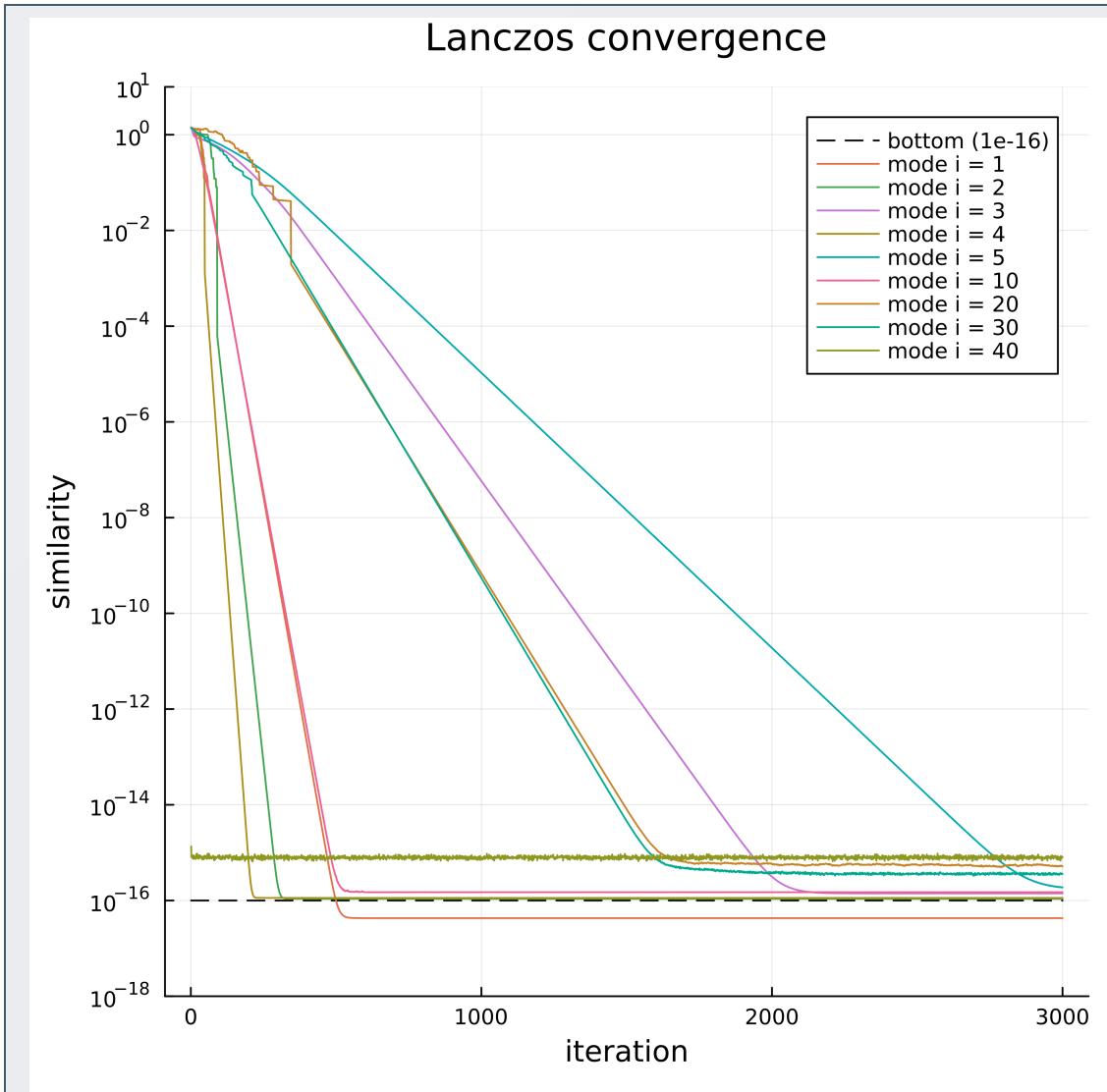
Lanczos 法 | 先週の話



Lanczos 法 | 先週の話



Lanczos 法 | 収束

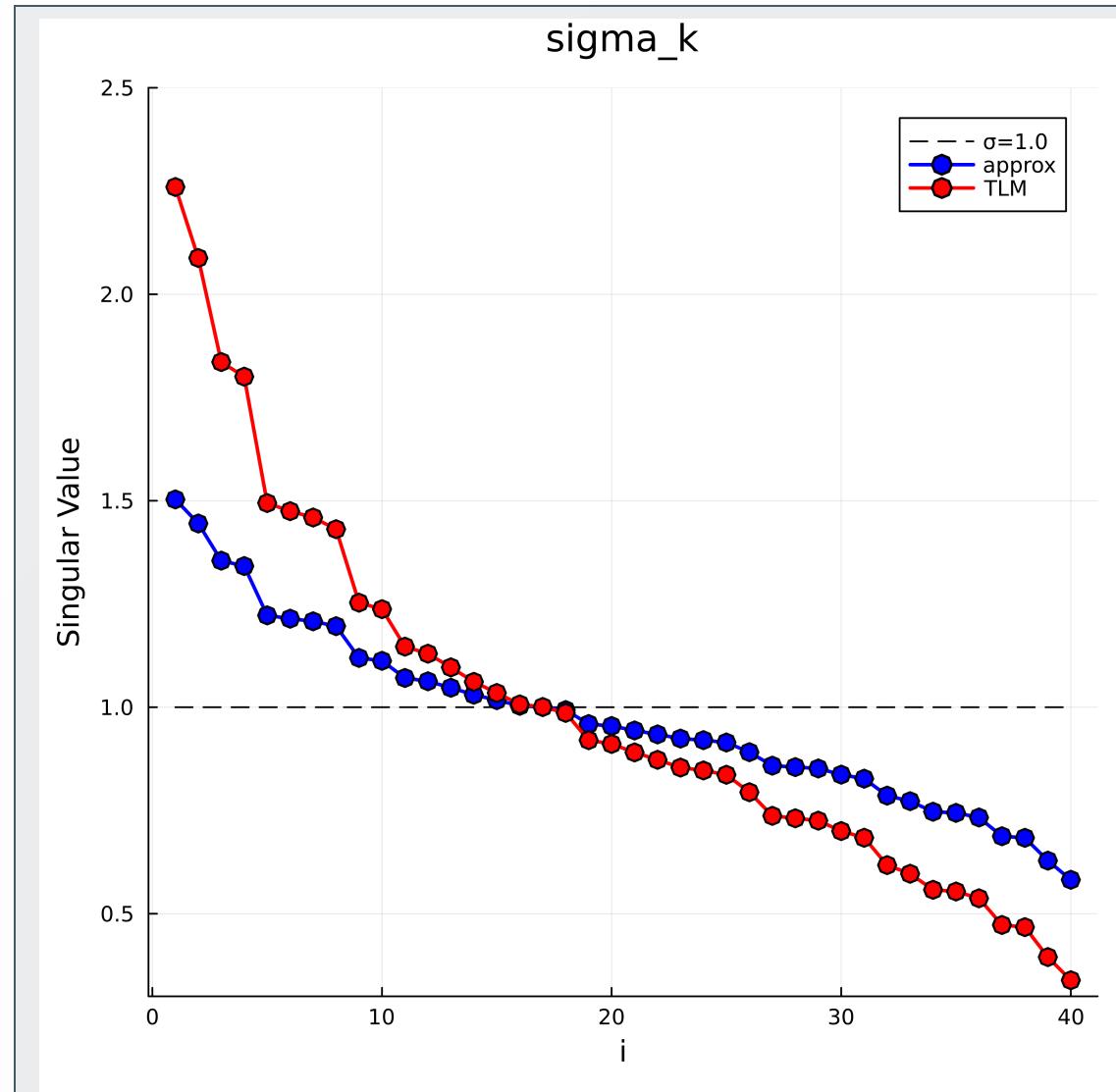


擾乱のベクトル $d\vec{X}_k$ をランダムな方向に
 $k \leq 100$ 個生成し、成長させた。

各メンバー同士の差の絶対値の平均。

倍精度 (Float 64) で計算しているので、
 10^{-16} 程度までの精度が出る。

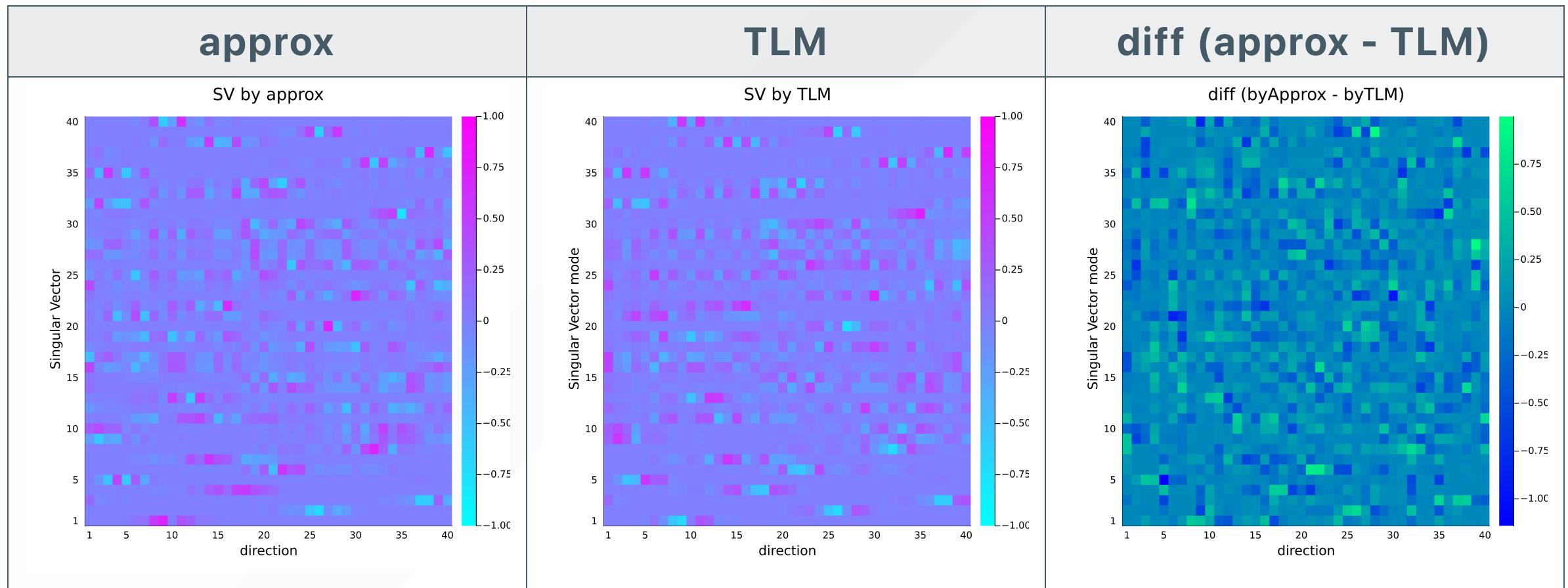
Lanczos 法 | mode の成長率 σ_i



mode: $1 \leq i \leq 15$ までは成長モード
mode: $16 \leq i \leq 18$ までは伸縮しづらい
mode: $19 \leq i \leq 40$ までは縮小モード

Lanczos 法 | 各モードの SV の成分

差分の絶対値が 1 程度もある？



11/14(火) データ同化B 佐藤 匠