

$S_2(\ell)$

5

 $M = 32 \times 32 = 1024$ $N = 1024$ $\ell_{\max} = 20$ $D = 2$ $U \approx U_c^{(2D)}$

4

3

2

1

0

5

10

15

20

 ℓ $S_2 - a\ell$

0.5

0.0

10

20

 ℓ 