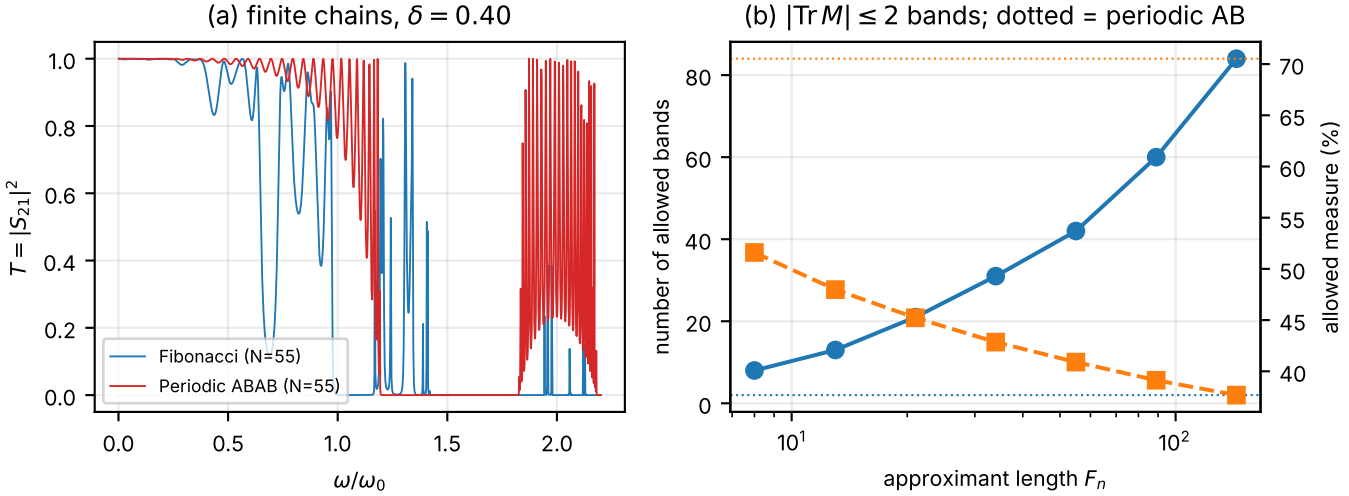

(a) finite chains, $\delta = 0.40$
$T = |S_{21}|^2$
1.0
0.8
0.6
0.4
0.2
0.0
Fibonacci (N=55)
Periodic ABAB (N=55)
0.0
0.5
1.0
1.5
2.0
ω/ω_0
(b) $|\mathrm{Tr}\, M| \le 2$ bands; dotted = periodic AB
number of allowed bands
80
60
40
20
0
allowed measure (%)
70
65
60
55
50
45
40
10^1
10^2
approximant length F_n