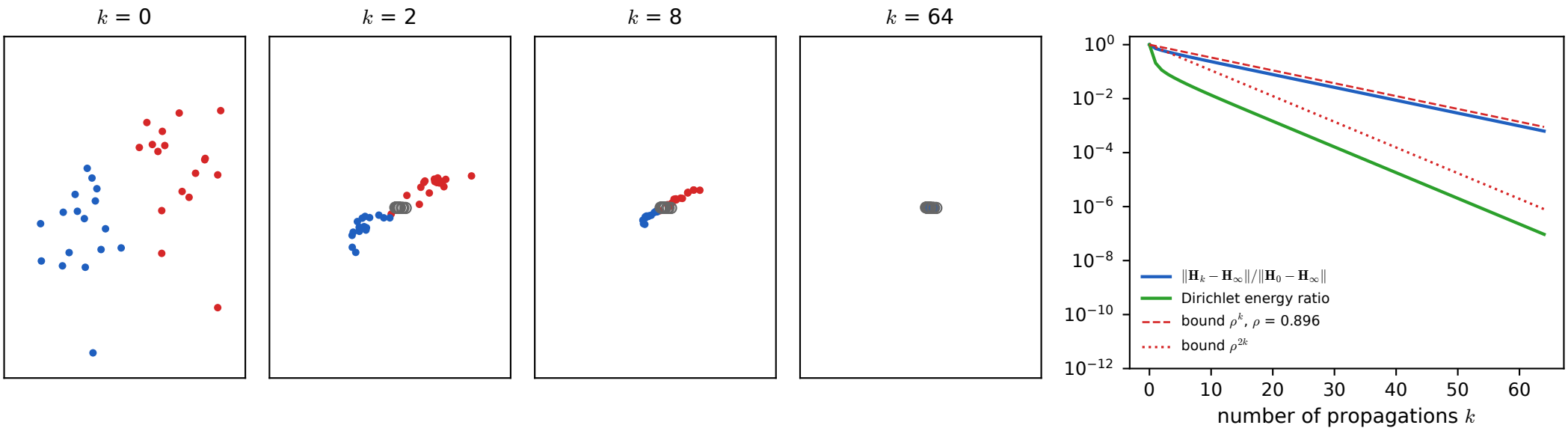

$k = 0$
$k = 2$
$k = 8$
$k = 64$
10^{0}
10^{-2}
10^{-4}
10^{-6}
10^{-8}
10^{-10}
10^{-12}
$\|\mathbf{H}_k - \mathbf{H}_\infty\| / \|\mathbf{H}_0 - \mathbf{H}_\infty\|$
Dirichlet energy ratio
bound ρ^k, $\rho = 0.896$
bound ρ^{2k}
0
10
20
30
40
50
60
number of propagations k