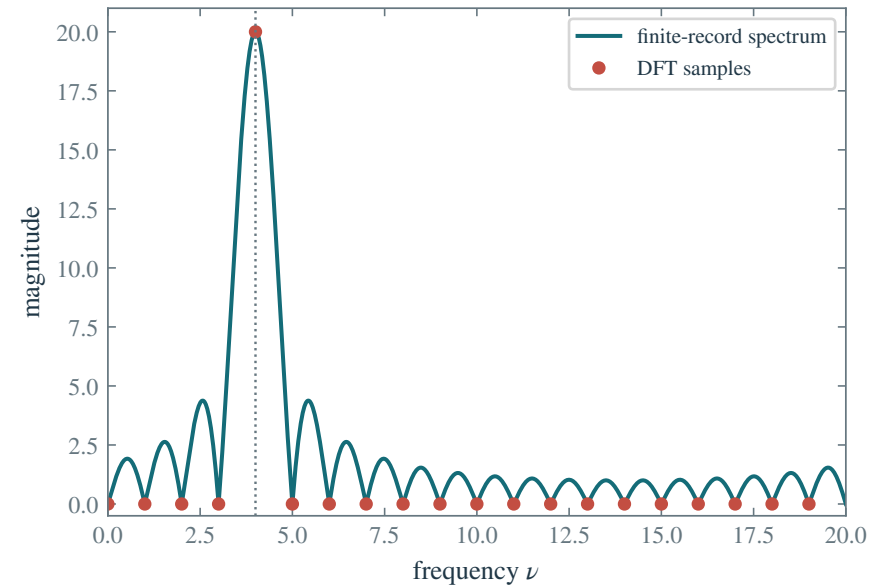


$\beta = 4$  cycles $\beta = 4.6$  cycles