

- due to large training requirement, or simply time consuming.
- AMTC can track multiple signal frequencies in a very low SNR environment in real time.



Single Trace Tracking by Dynamic Programming

- regularized by the freq. temporal dynamic (Markov Chain)
- $f = \operatorname{argmax} E(f) + \lambda P(f),$

Freq. traće energy Trace dynamic constraint

Optimal solution: achieved by dynamic programming.

Multiple Trace: iterative and adaptive search strategy Signal Spectrogram

