

Answers

Nishimura 2010

- 1) Sampler + bandpass filter gets you close.
The time shift plays a role in achieving the inverted spectrum but it requires some finesse.
- 2) Yes. The center of mass is $\int x f(x) dx$ which relates nicely to $F(s)$.
- 3) It would be best to agree and disagree with Dr. T.
Dr T. is partially correct but additional constraints on s_0 and $F(s_0)$ are needed to avoid potential ambiguities in determining the center of mass.