

## 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.