

Premigration Deghosting of Seismic Data with a Bootstrap Technique

RELATED APPLICATION

[0001] The present application is related to, and claims priority from U.S. Provisional Patent Application No. 61/635,385, filed April 19, 2012, entitled "Premigration Deghosting for Marine Towed Streamer Data Using a Bootstrap Approach," to Ping Wang and Can Ping, ~~the disclosure of which is incorporated herein by reference.~~

TECHNICAL FIELD

[0002] Embodiments of the subject matter disclosed herein generally relate to methods and systems for seismic data processing and, more particularly, to mechanisms and techniques for generating optimized receiver-based ghost filters.

BACKGROUND

[0003] Seismic data acquisition and processing techniques are used to generate a profile (image) of a geophysical structure (subsurface) of the strata underlying the land surface or seafloor. Among other things, seismic data acquisition involves the generation of acoustic waves and the collection of reflected/refracted versions of those acoustic waves to generate the image. This image does not necessarily provide an accurate location for oil and gas reservoirs, but it may suggest, to those trained in the field, the presence or absence of oil and/or gas reservoirs. Thus, providing an improved image of the subsurface in a shorter period of time is an ongoing process in the field of seismic surveying.