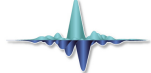


Processing Seismic Data in the Presence of Residual Statics

**Aaron Stanton, Nasser Kazemi, and
Mauricio D. Sacchi**

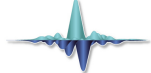
**Signal Analysis and Imaging Group
Department of Physics
University of Alberta**

Outline



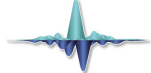
- ▶ Motivation
- ▶ Algorithm
- ▶ Synthetic Examples
- ▶ Real Examples

Motivation



- ▶ Here's a bullet.
- ▶ And another bullet.
- ▶ and one more.

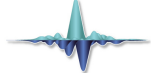
Motivation



- ▶ Here's a bullet.
- ▶ And another bullet.
- ▶ and one more.

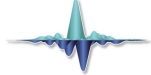
- ▶ Another set of bullets.

Motivation



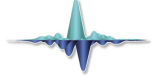
- ▶ Here's a bullet.
 - ▶ And another bullet.
 - ▶ and one more.
-
- ▶ Another set of bullets.
 - ▶ But these are hidden from one another.

Motivation



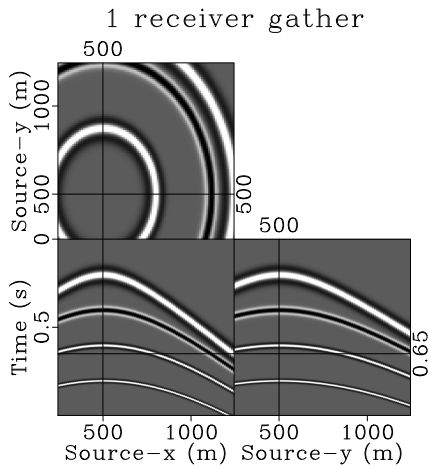
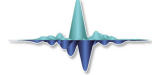
- ▶ Here's a bullet.
 - ▶ And another bullet.
 - ▶ and one more.
-
- ▶ Another set of bullets.
 - ▶ But these are hidden from one another.
 - ▶ Which can be used to make animations.

Algorithm

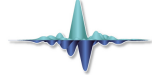


$$\nabla^2 u - \alpha \frac{\partial u}{\partial t} = \delta(\mathbf{x}, t)$$

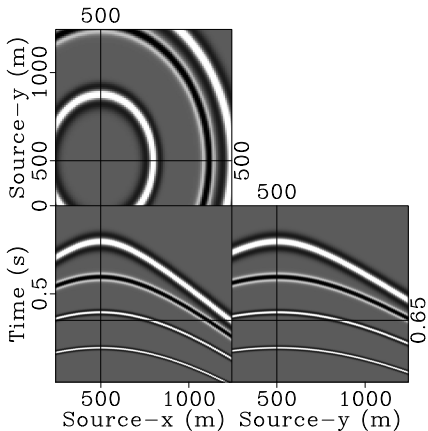
Plots



Multiplots

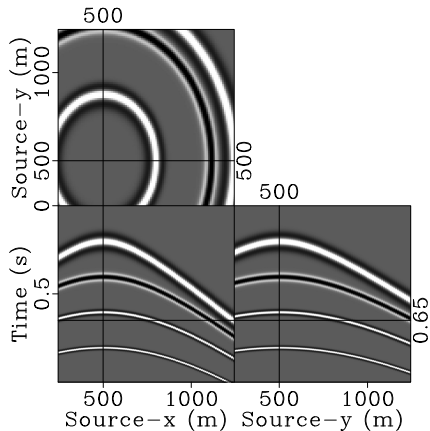


1 receiver gather



(a)

1 receiver gather



(b)