

ENVIRONMENTAL INFORMATION

- Search parameters
- Parameter bounds

GENETIC ALGORITHMS (GA)

- Discretize parameters
- Select "populations" of parameters

Use GA to generate new populations with better match to observed data

OBSERVED DATA

- Single or multi-frequency pressure on a vertical array
- Coherent or incoherent transmission loss
- Reflection coefficients
- Reverberation data
- Tropospheric data

SYNTHETIC DATA

Forward models

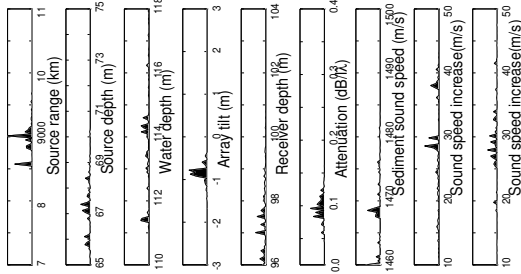
- OAST
- OASR
- SNAP
- SNAPRD
- PROSIM
- POPP
- TPEM

OBJECTIVE FUNCTION

- Bartlett
- Matched filter
- LSQ

INVERSION RESULT

- Best estimate
- Uncertainty analysis



Feedback