

Input Data
Seismic
data:

Refracted waves first arrival

+ array (soln + rec)

Handwritten note: Data for FWI

convert to posix

Posix
+ general
make_model,
text23d

MHT⁰
(initial model approx)



Model paramet risation

CP41176

4p.3.
(fine)
(coarse)
od.3.

< spect.elements

punch (np.) (3.)

выход: $\Delta t = \frac{1}{C}$

Vidale

A hand-drawn diagram consisting of a vertical line with a downward-pointing arrow and a horizontal line with a rightward-pointing arrow. The two lines intersect at a point labeled with the letter 'N'.

transcubovate
trace (cylk
elinsino)

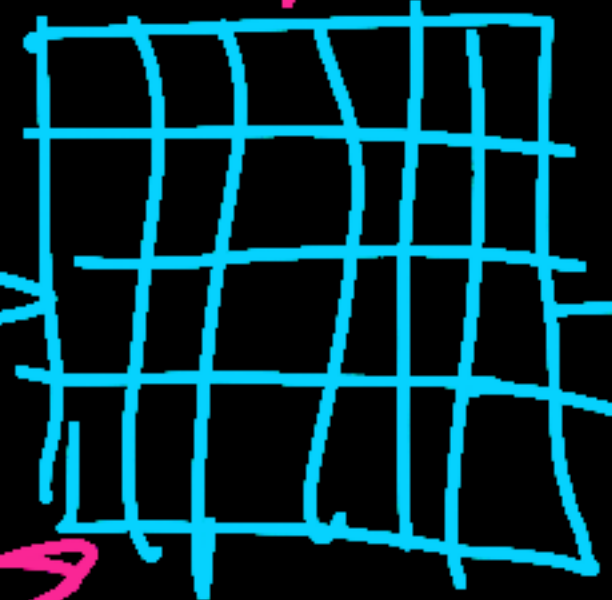
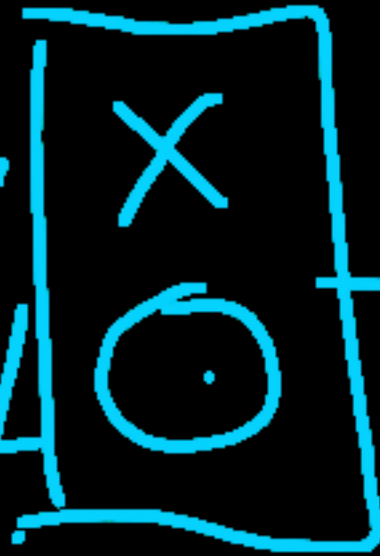
ср. згара
inv (haat)
lenspline?

→ m_i^N (невыжиг)

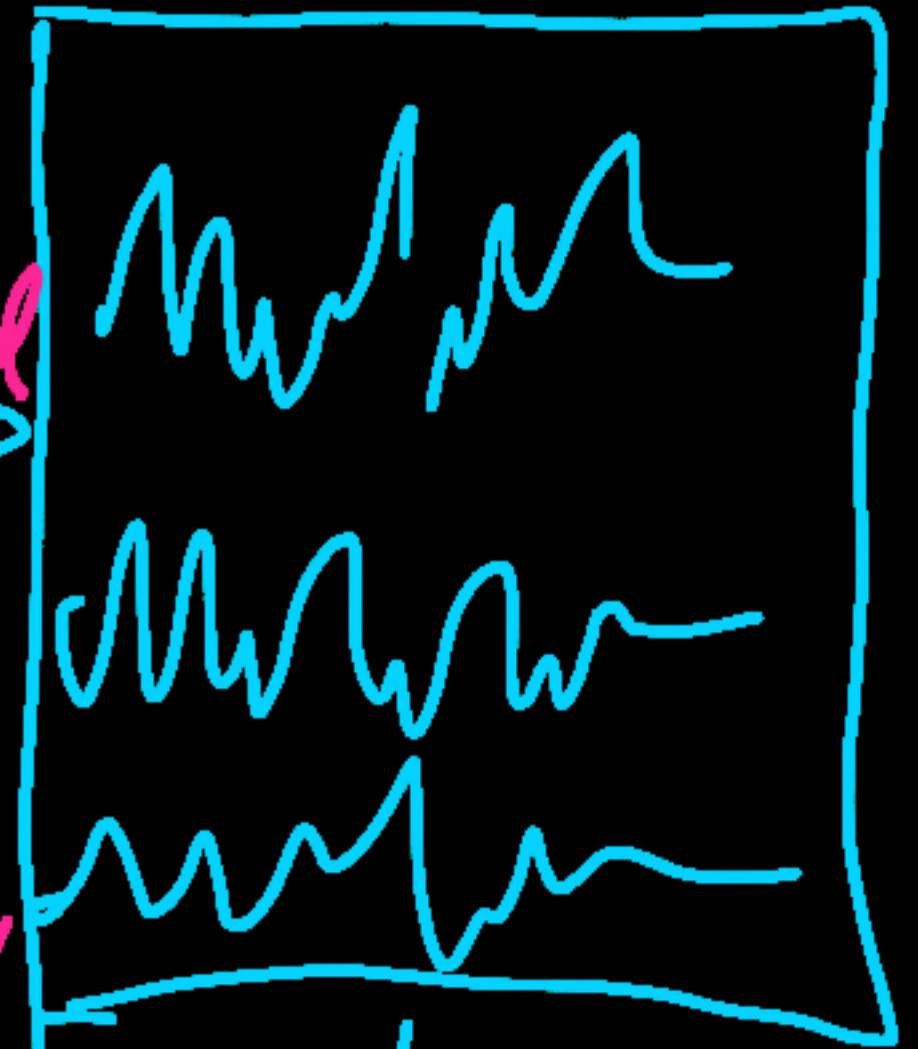
$\langle \text{reflec. waves} \rangle$

result

source
detect



Forward



output

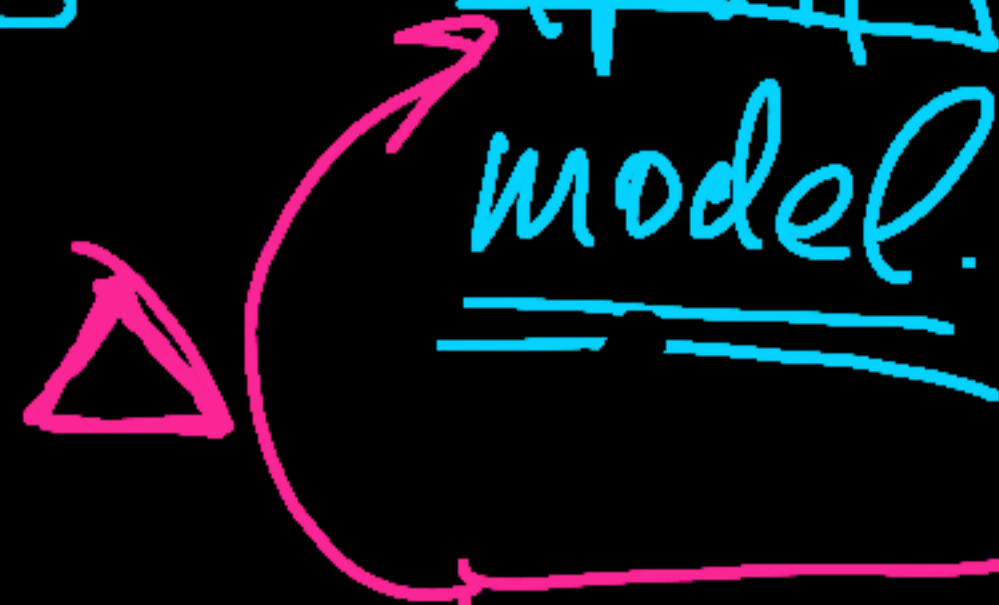
"correct"
output

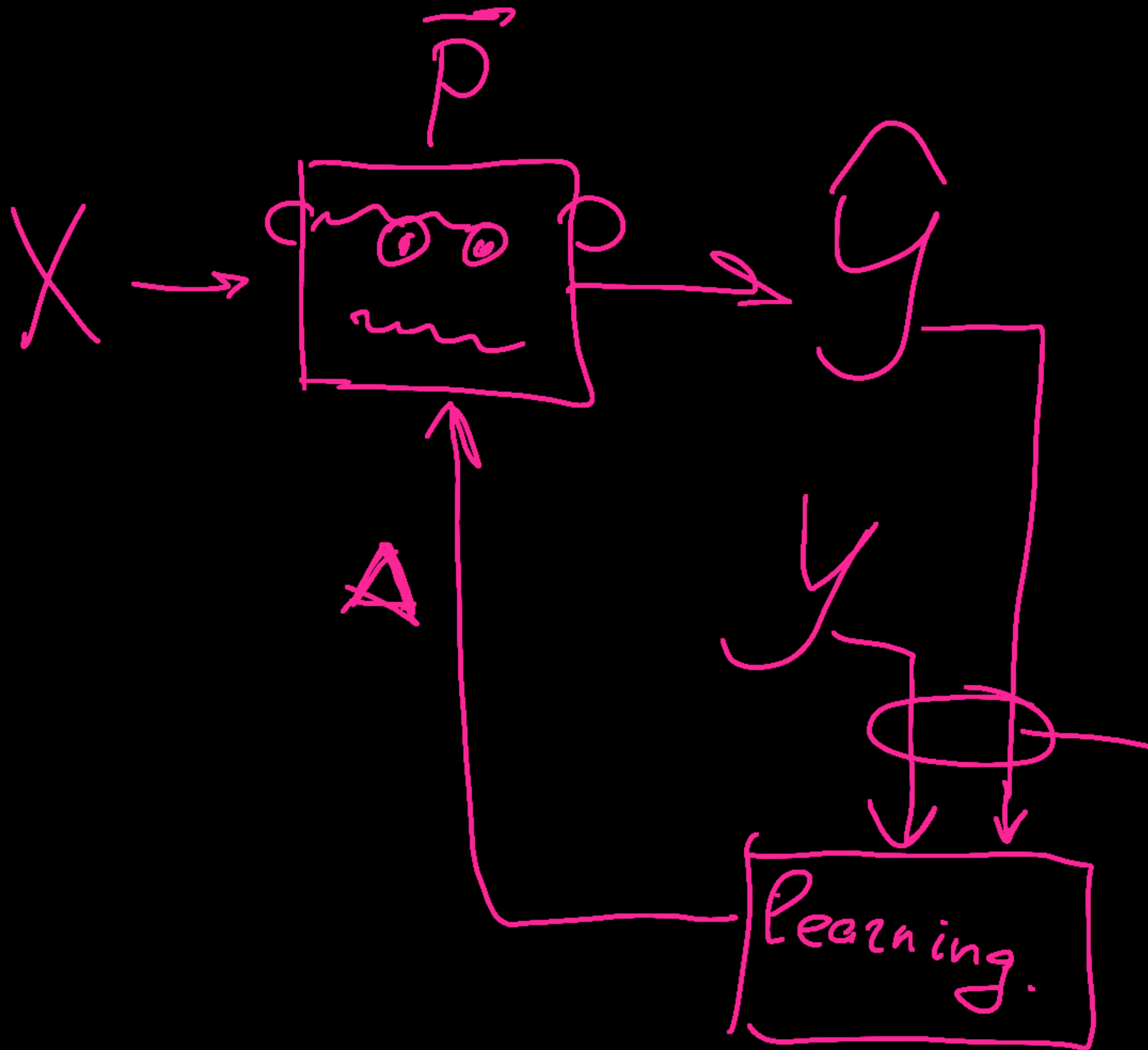
Learning
Alg.
(inverse
task)

N_c
velocity
model
(3d)



(+ HEBSZKL)
 M_c





$$\min_{\vec{p}} (F(y, \vec{p}))$$

$$\rightarrow F(y, \vec{p})$$