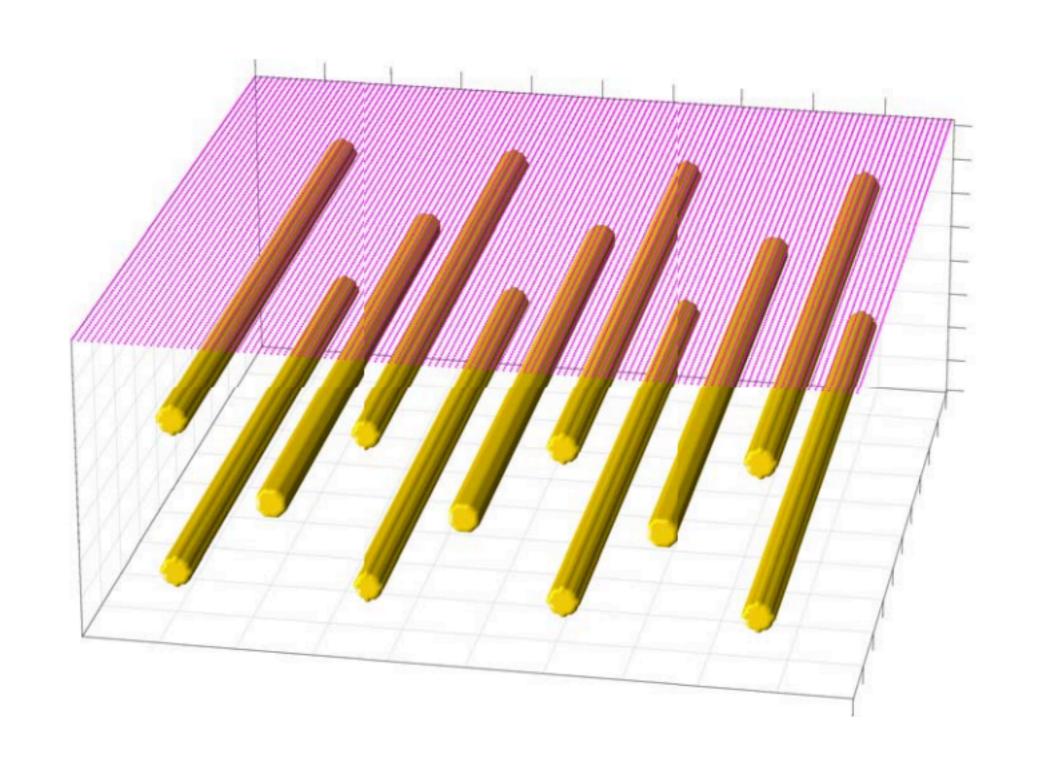
## Limited-View Receiver Geometry



Geometry of human tissue entails limited-view

- planar array for 3D
- linear array for 2D





## Traditional Approaches - Challenges

Noise introduces

amplitudes



Large uncertainty in traditional reconstructions due to

- limited view geometry —> null space
- noisy measurements
- sparse receivers

True photoacoustic pressure, p

Receivers

Adjoint solution,  $\mathbf{p}_{adi}$ 

Limited view streaks

Deeper vessels hard to image