

Exact inversion formulas in Photoacoustic tomography with two geometries

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ABSTRACT

One of the mathematical problems arising in PhotoAcoustic Tomography (PAT), a novel and promising technology in medical imaging, is to recover the initial function from the solution data of the wave equation on a surface, where the detectors of PAT are located. We present how to reconstruct f from data on a hyperplane. Also, we consider PAT with direction dependent data and present how to reconstruct f from direction dependent data.

REFERENCES

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