

Multiwave Imaging in Attenuating Media

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The inverse photoacoustic/thermoacoustic tomography (PAT/TAT) problem consists in the recovery of an initial internal source from a single boundary observation of ultrasound waves. In medical imaging, it has been observed that the attenuation of the waves caused by biological tissue is not negligible and therefore needs to be considered in the modeling of the problem. In this talk, the speaker will give a review of some results in the mathematical analysis of the PAT/TAT inverse problem focusing on the case of attenuating media.