$$q : \Gamma \to \mathbb{S}^2$$
$$q^{-1} : \mathbb{S}^2 \to \Gamma$$

Γ_E

Γ_I

Surfaces in physical space

S_E

S_I

Surfaces in spherical space

$$\text{STM} = \left\{ \begin{array}{cccccc} c_\eta & c_\eta & c_\eta & c_\eta & \cdots & c_\eta \end{array} \right.$$

f

$\xi = 0 \quad 1 \quad 2 \quad 3 \quad \xi_{\max}$

Acoustic prediction
by Spherical
Transfer Matrix method

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