TABLE 1.

Problem	$\{q_i\}$	$\{n_i\}$	$\{d_i\}$	Description of feasible set
Density from string vibration	$\{\omega_i\}$	—	$d_1 = \rho$	Finite, nonconvex, bounded region near the origin
Wave slowness from traveltime tomography	$\{\tau_i\}$	$n_1 = s$	—	Infinite, convex, bounded away from the origin
Elastic constants from free oscillations	$\{\omega_i\}$	$n_1 = \kappa$ $n_2 = \mu$	$d_1 = \rho$	Infinite cone, nonconvex