

$R_{u\theta}$
Focusing
(1),(2)

\bar{R}_{rr}

Confocal filter (4)

Transducer basis

Plane wave basis

R'_{rr}

Back-propagation
(10),(11)

Spatial FT
(5),(7)

R'_{ur}/R'_{ru}

R'_{kr}/R'_{rk}

Realign virtual sources
(12)

D_{ur}/D_{ru}

D_{kr}/D_{rk}

Loop
over
 r_p

Spatial window filter
around r_p
(14)

$D'_{ur}(r_p)/D'_{ru}(r_p)$

$D'_{kr}(r_p)/D'_{rk}(r_p)$

Time reversal
analysis (SVD)
(18)

$U_1(u, r_p)$

$U_1(k, r_p)$

Updating transmission
matrices
(20)

Q_1

T_1

Matrix focusing
(21)

$R_{rr}^{(c)}$

feedback loop