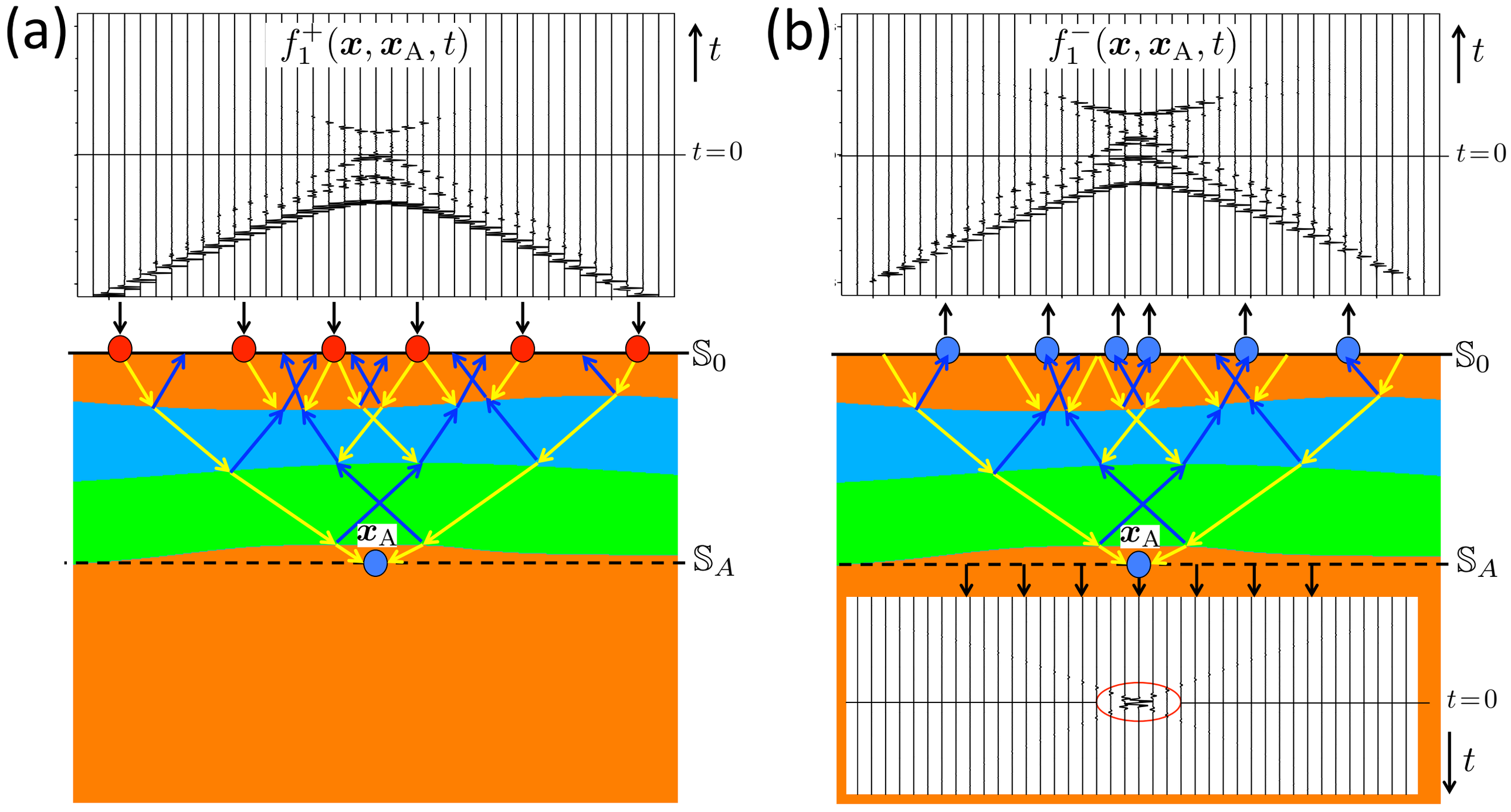
(a)
$f_1^+(\boldsymbol{x}, \boldsymbol{x}_\mathrm{A}, t)$
t
$t=0$
$\mathbb{S}_0$
$\boldsymbol{x}_\mathrm{A}$
$\mathbb{S}_A$
(b)
$f_1^-(\boldsymbol{x}, \boldsymbol{x}_\mathrm{A}, t)$
t
$t=0$
$\mathbb{S}_0$
$\boldsymbol{x}_\mathrm{A}$
$\mathbb{S}_A$
$t=0$
t