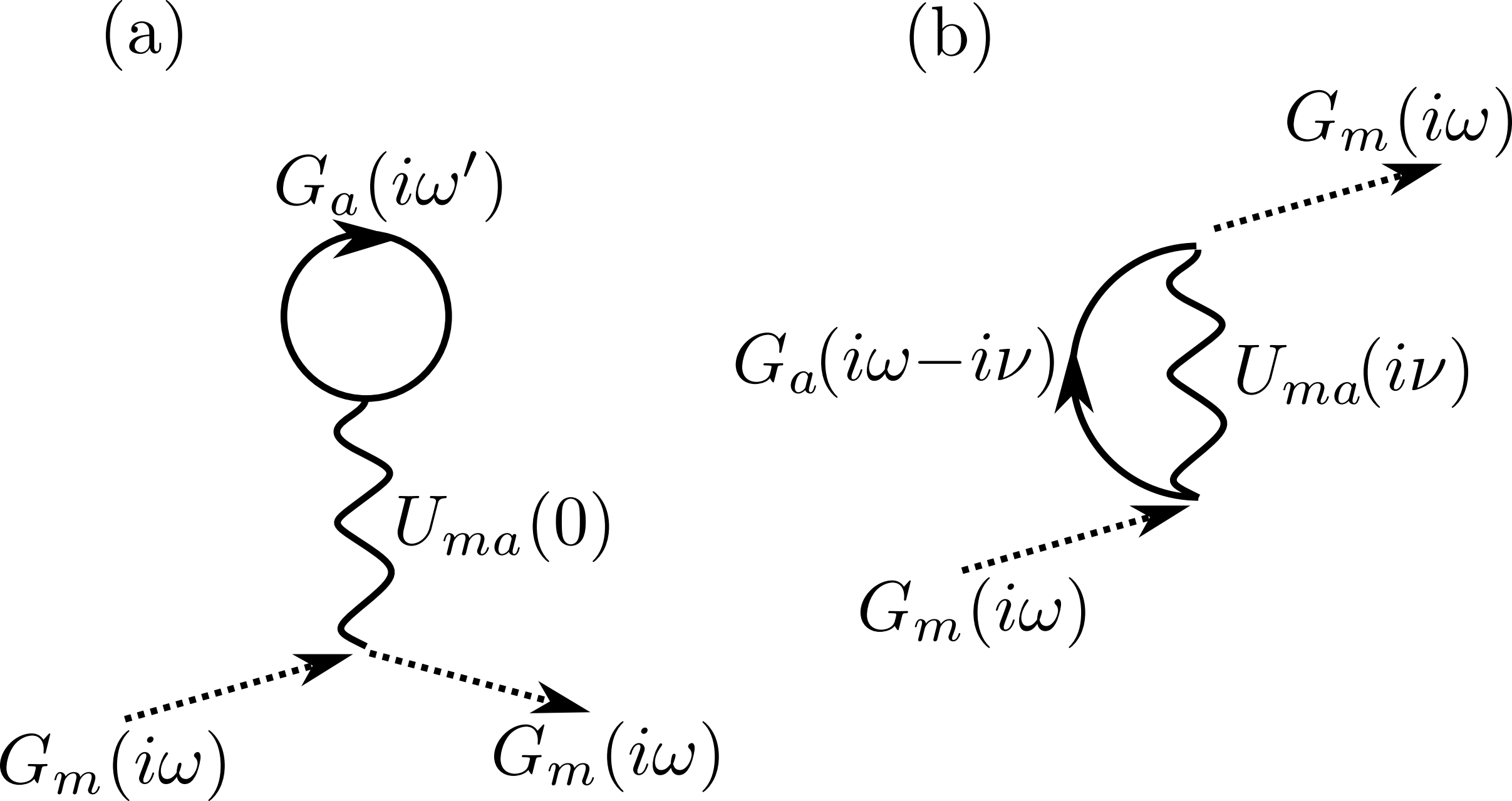
(a)
$G_a(i\omega')$
$U_{ma}(0)$
$G_m(i\omega)$
$G_m(i\omega)$
(b)
$G_m(i\omega)$
$G_a(i\omega - i\nu)$
$U_{ma}(i\nu)$
$G_m(i\omega)$