Parameter	Symbol	Value	Unit
Salinity coefficient of freezing equation	a	-0.0572	$^\circ\mathrm{C\,PSU^{-1}}$
Constant coefficient of freezing equation	b	0.0788	$^\circ\mathrm{C}$
Pressure coefficient of freezing equation	c	7.77×10^{-8}	$^\circ\mathrm{C\,Pa^{-1}}$
Thermal expansion coefficient in EOS	α	7.5×10^{-5}	$^\circ\mathrm{C^{-1}}$
Salt contraction coefficient in EOS	β	7.7×10^{-4}	$\mathrm{PSU^{-1}}$
Reference density in EOS	ρ_*	1033	$\mathrm{kg\,m^{-3}}$
Latent heat of fusion	L	3.34×10^5	$\mathrm{J\,kg^{-1}}$
Heat capacity of sea water	c_p	3974	$\mathrm{J\,kg^{-1}\,^\circ C^{-1}}$
Density of ice	ρ_i	910	$\mathrm{kg\,m^{-3}}$
Density of sea water	ρ_w	1028	$\mathrm{kg\,m^{-3}}$
Turbulent salinity exchange velocity	γ_S	2×10^{-6}	$\mathrm{m\,s^{-1}}$
Turbulent temperature exchange velocity	γ_T	5×10^{-5}	$\mathrm{m\,s^{-1}}$
Effective turbulent temperature exchange velocity	γ_T^*	2×10^{-5}	$\mathrm{m\,s^{-1}}$
Overturning strength	C	1×10^6	$\mathrm{m^6\,s^{-1}\,kg^{-1}}$