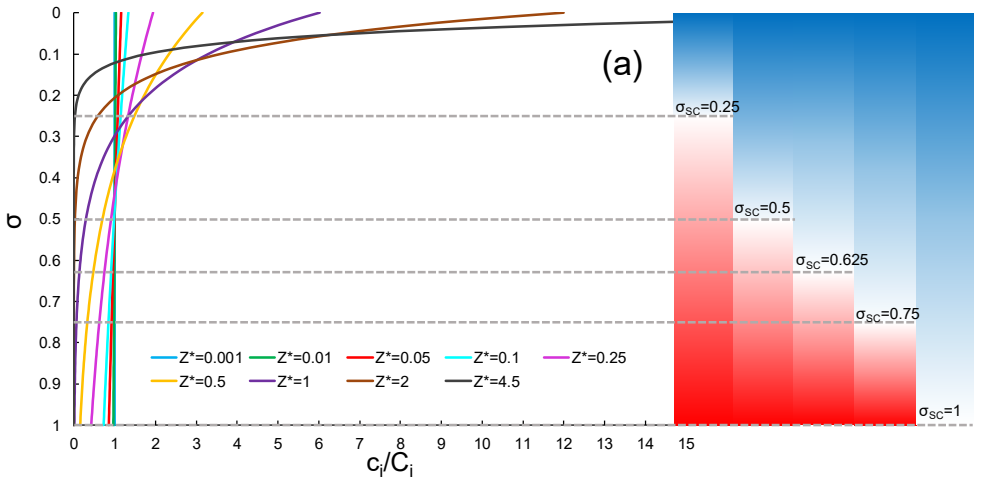
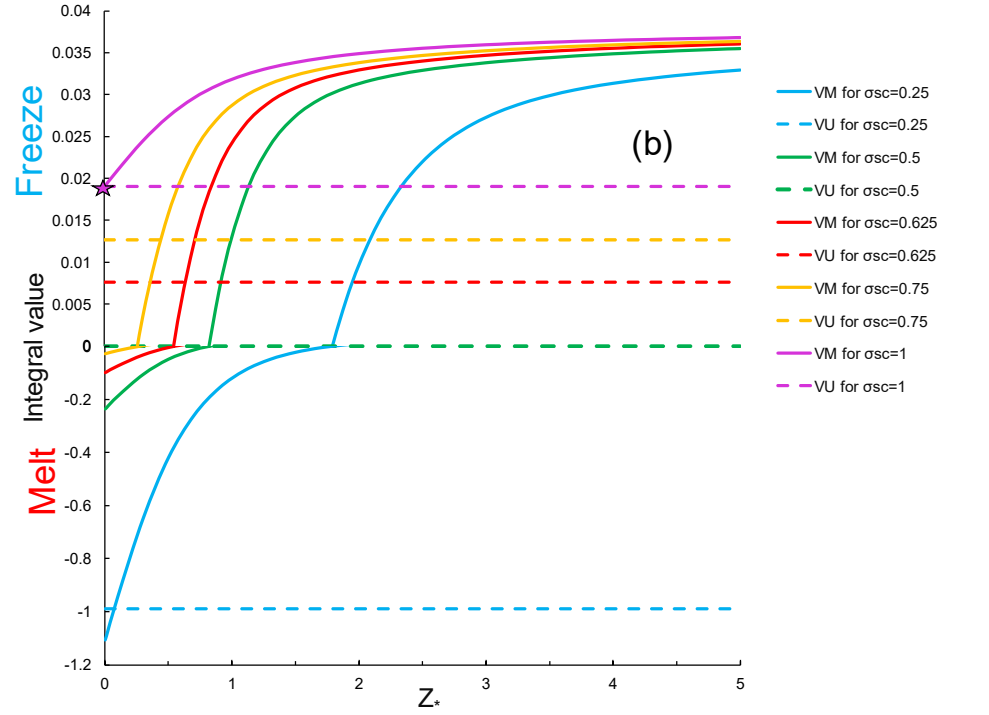

(a)
σ
c_i/C_i
σ_{SC}=0.25
σ_{SC}=0.5
σ_{SC}=0.625
σ_{SC}=0.75
σ_{SC}=1
Z*=0.001
Z*=0.01
Z*=0.05
Z*=0.1
Z*=0.25
Z*=0.5
Z*=1
Z*=2
Z*=4.5


(b)
Freeze
Melt
Integral value
Z_*
VM for σsc=0.25
VU for σsc=0.25
VM for σsc=0.5
VU for σsc=0.5
VM for σsc=0.625
VU for σsc=0.625
VM for σsc=0.75
VU for σsc=0.75
VM for σsc=1
VU for σsc=1