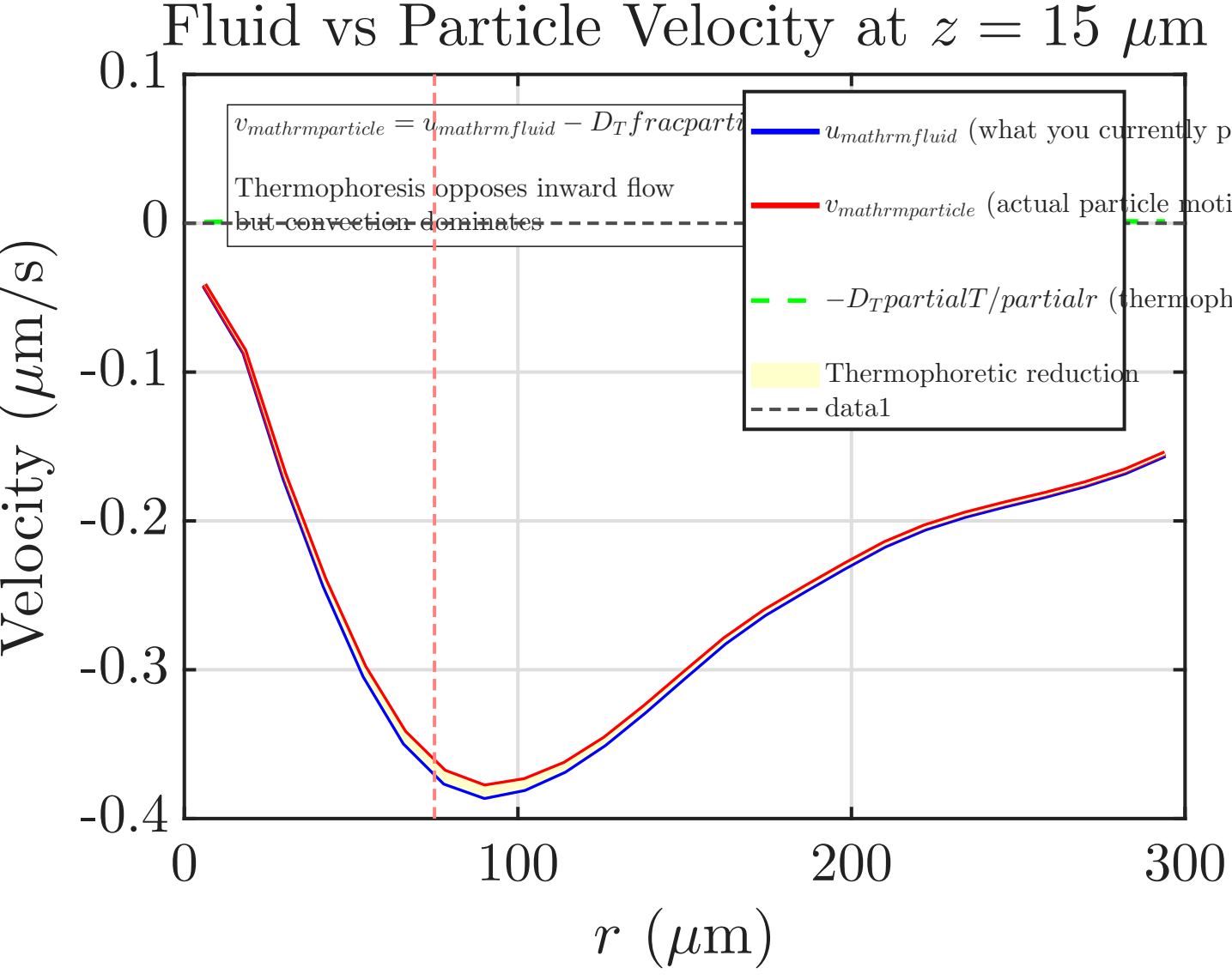
Fluid vs Particle Velocity at $z = 15$ μm
$v_{mathrmparticle} = u_{mathrmfluid} - D_T fracparti$
Thermophoresis opposes inward flow
but convection dominates
$u_{mathrmfluid}$ (what you currently p
$v_{mathrmparticle}$ (actual particle moti
$-D_T partialT/partialr$ (thermoph
Thermophoretic reduction
data1
Velocity (μm/s)
r (μm)
0.1
0
-0.1
-0.2
-0.3
-0.4
0
100
200
300