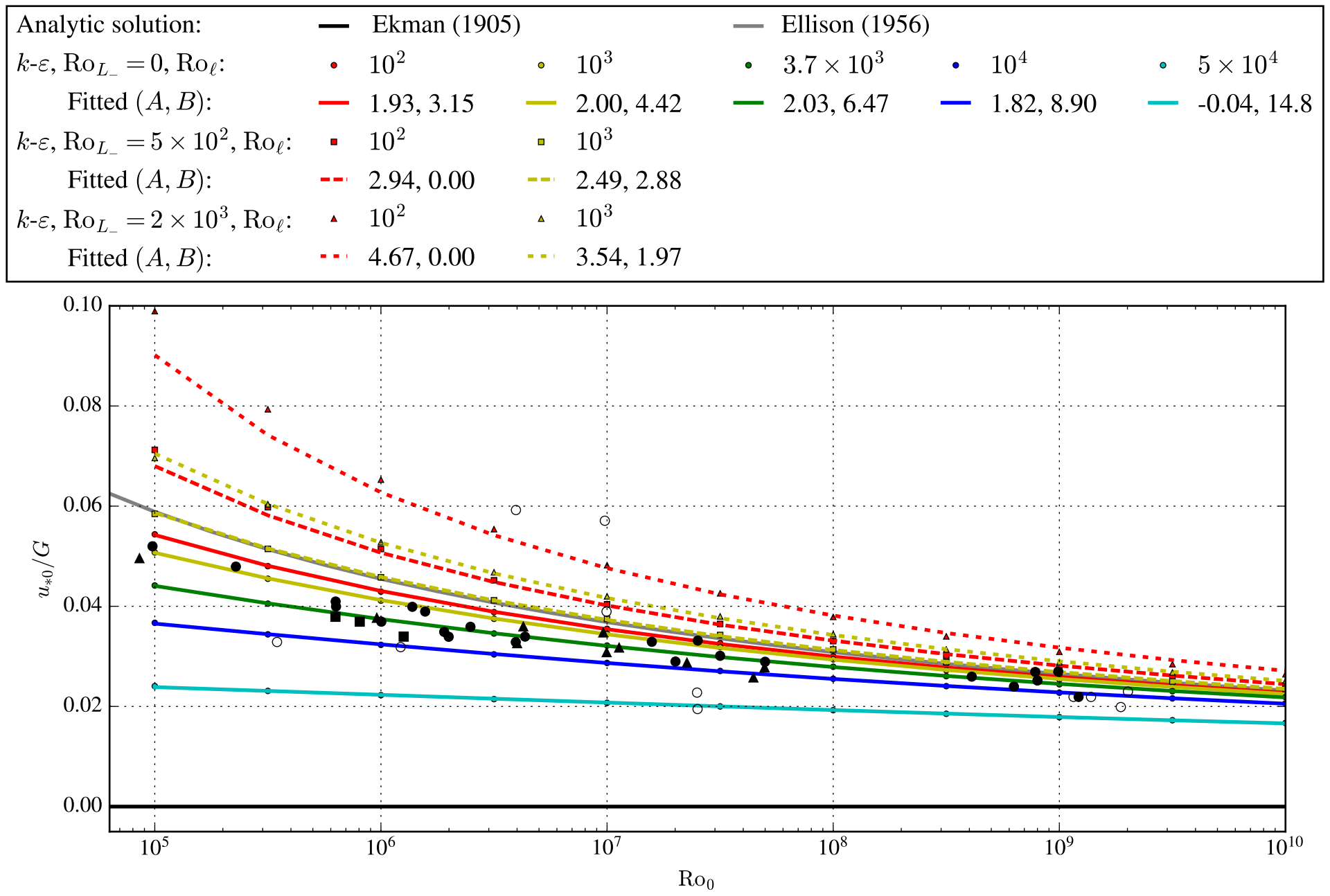
Analytic solution:
Ekman (1905)
Ellison (1956)
k-ε, $\mathrm{Ro}_{L_-} = 0$, Ro_ℓ:
10^2
10^3
3.7×10^3
10^4
5×10^4
Fitted (A, B):
1.93, 3.15
2.00, 4.42
2.03, 6.47
1.82, 8.90
-0.04, 14.8
k-ε, $\mathrm{Ro}_{L_-} = 5 \times 10^2$, Ro_ℓ:
10^2
10^3
Fitted (A, B):
2.94, 0.00
2.49, 2.88
k-ε, $\mathrm{Ro}_{L_-} = 2 \times 10^3$, Ro_ℓ:
10^2
10^3
Fitted (A, B):
4.67, 0.00
3.54, 1.97
0.10
0.08
0.06
0.04
0.02
0.00
u_{*0}/G
10^5
10^6
10^7
10^8
10^9
10^{10}
Ro_0