These results are for checking work. The results below are for Prandtl number around 0.7. Your results for Pr = 1 will not be exactly as shown below.

HW8 Results

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$\bar{U}$

j ↑	i = 1	2	3	4	5	6	7	8	9	10	11 → i
11	0.0	4.470	5.027	4.067	2.862	1.855	1.123	0.628	0.308	0.112	0.0
10	0.0	4.269	4.713	3.748	2.598	1.661	0.992	0.548	0.266	0.096	0.0
9	0.0	4.050	4.377	3.415	2.327	1.464	0.862	0.470	0.225	0.080	0.0
8	0.0	3.808	4.015	3.064	2.048	1.266	0.734	0.393	0.186	0.065	0.0
7	0.0	3.539	3.623	2.696	1.761	1.067	0.606	0.319	0.148	0.051	0.0
6	0.0	3.232	3.195	2.306	1.468	0.867	0.482	0.248	0.113	0.038	0.0
5	0.0	2.875	2.720	1.893	1.167	0.669	0.362	0.181	0.081	0.027	0.0
4	0.0	2.446	2.187	1.454	0.860	0.475	0.248	0.120	0.052	0.017	0.0
3	0.0	1.904	1.577	0.986	0.553	0.290	0.144	0.067	0.027	0.009	0.0
2	0.0	1.164	0.861	0.493	0.255	0.124	0.057	0.024	0.009	0.003	0.0
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$\bar{V}$

0.0	-0.050	-0.129	-0.209	-0.275	-0.323	-0.356	-0.376	-0.386	-0.390	-0.390
0.0	-0.055	-0.139	-0.222	-0.290	-0.339	-0.372	-0.391	-0.401	-0.405	-0.405
0.0	-0.060	-0.151	-0.238	-0.308	-0.357	-0.390	-0.409	-0.419	-0.422	-0.422
0.0	-0.067	-0.165	-0.258	-0.329	-0.379	-0.411	-0.429	-0.439	-0.442	-0.442
0.0	-0.077	-0.184	-0.281	-0.355	-0.405	-0.436	-0.453	-0.462	-0.465	-0.465
0.0	-0.089	-0.208	-0.311	-0.386	-0.436	-0.466	-0.483	-0.491	-0.494	-0.494
0.0	-0.107	-0.241	-0.350	-0.427	-0.475	-0.504	-0.519	-0.526	-0.529	-0.529
0.0	-0.135	-0.288	-0.405	-0.482	-0.528	-0.554	-0.567	-0.573	-0.576	-0.576
0.0	-0.185	-0.364	-0.487	-0.562	-0.603	-0.625	-0.635	-0.640	-0.641	-0.641
0.0	-0.291	-0.506	-0.630	-0.693	-0.724	-0.739	-0.745	-0.747	-0.748	-0.748
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Θ

1.000	0.704	0.450	0.269	0.155	0.087	0.047	0.025	0.012	0.004	0.0
1.000	0.696	0.437	0.257	0.145	0.080	0.043	0.022	0.011	0.004	0.0
1.000	0.685	0.423	0.243	0.135	0.073	0.039	0.020	0.009	0.003	0.0
1.000	0.673	0.406	0.228	0.124	0.066	0.034	0.017	0.008	0.003	0.0
1.000	0.658	0.386	0.211	0.112	0.058	0.030	0.015	0.007	0.002	0.0
1.000	0.640	0.362	0.192	0.099	0.050	0.025	0.012	0.005	0.002	0.0
1.000	0.615	0.332	0.169	0.084	0.041	0.020	0.009	0.004	0.001	0.0
1.000	0.579	0.294	0.142	0.067	0.032	0.015	0.007	0.003	0.001	0.0
1.000	0.522	0.241	0.108	0.048	0.022	0.010	0.004	0.002	0.001	0.0
1.000	0.406	0.159	0.064	0.026	0.011	0.004	0.002	0.001	0.000	0.0
1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0