

λ_n values for plane wall. Values are calculated by using goal seek building function of microsoft excel.
The characteristic values λ_n are the positive roots of eqn. (2.35)

	Bi=1	Bi=10	Bi=50	Bi=100
n	λ_n	λ_n	λ_n	λ_n
1	0.311052852	1.428870011	1.540005941	1.555245129
2	3.173097177	4.305801413	4.620245731	4.665765142
3	6.29905936	7.228109772	7.701159369	7.776374078
4	9.435375976	10.20026259	10.78316423	10.8871301
5	12.57432316	13.21418568	13.86663336	13.99808974
6	15.7143268	16.25936123	16.95188394	17.10930726
7	18.85485954	19.3270343	20.0391707	20.22083419
8	21.99569489	22.41084834	23.12868404	23.3327188
9	25.13671945	25.50638299	26.22055236	26.44500575
10	28.2778702	28.61058194	29.31484742	29.55773581
11	31.4191093	31.72131067	32.41159165	32.6709456
12	34.56041268	34.83705395	35.51076648	35.78466751
13	37.70176424	37.95671619	38.61232072	38.89892967
14	40.84315289	41.07949059	41.71617843	42.01375591
15	43.98457067	44.20477242	44.82224598	45.12916593
16	47.12601177	47.33210102	47.93041801	48.24517541
17	50.26747181	50.46112007	51.04058233	51.36179625
18	53.40894745	53.59155018	54.15262381	54.47903674
19	56.55043608	56.72316948	57.2664274	57.59690187
20	59.69193568	59.85579974	60.38188025	60.71539359
21	62.83344458	62.98929625	63.49887332	63.8345111
22	65.97496145	66.12354041	66.61730243	66.95425112
23	69.11648521	69.25843412	69.73706885	70.07460819
24	72.25801496	72.39389559	72.85807974	73.19557494
25	75.39954995	75.52985609	75.98024816	76.31714235
26	78.54108956	78.66625748	79.10349308	79.43929999
27	81.68263325	81.80305029	82.22773923	82.56203626
28	84.82418056	84.9401921	85.35291681	85.6853386
29	87.96573111	88.07764638	88.47896126	88.80919366
30	91.10728456	91.21538151	91.60581289	91.9335875
31	94.24884063	94.35336998	94.73341663	95.05850575
32	97.39039906	97.49158774	97.86172162	98.18393371
33	100.5319596	100.6300137	100.990681	101.3098565
34	103.6735221	103.7686291	104.1202514	104.4362592
35	106.8150864	106.9074177	107.2503931	107.5631268
36	109.9566523	110.0463648	110.3810691	110.6904445
37	113.0982197	113.1854573	113.5122454	113.8181975
38	116.2397885	116.3246836	116.6438907	116.9463715
39	119.3813585	119.4640333	119.7759758	120.074952
40	122.5229297	122.6034971	122.908474	123.2039253
41	125.6645019	125.7430664	126.0413603	126.3332777
42	128.8060752	128.8827336	129.1746117	129.4629959
43	131.9476493	132.0224918	132.308207	132.593067
44	135.0892244	135.1623347	135.4421262	135.7234785
45	138.2308002	138.3022566	138.5763509	138.8542182
46	141.3723768	141.4422522	141.7108641	141.9852744
47	144.513954	144.5823168	144.8456499	145.1166357
48	147.655532	147.7224461	147.9806934	148.2482911
49	150.7971105	150.862636	151.1159808	151.38023
50	153.9386896	154.0028828	154.2514993	154.5124423
51	157.0802693	157.1431832	157.3872368	157.6449181
52	160.2218495	160.283534	160.523182	160.7776479
53	163.3634301	163.4239323	163.6593246	163.9106226
54	166.5050112	166.5643755	166.7956546	167.0438334
55	169.6465928	169.7048611	169.9321628	170.177272
56	172.7881747	172.8453867	173.0688406	173.3109302
57	175.929757	175.9859503	176.2056799	176.4448003
58	179.0713397	179.1265498	179.342673	179.5788748
59	182.2129227	182.2671835	182.4798129	182.7131464
60	185.3545061	185.4078495	185.6170927	185.8476084
61	188.4960897	188.5485463	188.7545062	188.9822541
62	191.6376737	191.6892724	191.8920474	192.1170772
63	194.7792579	194.8300263	195.0297106	195.2520715
64	197.9208424	197.9708068	198.1674905	198.3872313
65	201.0624272	201.1116125	201.3053821	201.5225508
66	204.2040122	204.2524424	204.4433808	204.6580247
67	207.3455974	207.3932954	207.5814819	207.7936478
68	210.4871829	210.5341703	210.7196813	210.9294152
69	213.6287685	213.6750664	213.8579749	214.0653221
70	216.7703544	216.8159825	216.996359	217.2013638