

TABLE 4 : << Ecoulement avec onde de choc plane droite (cas de l'air $\gamma = 1,4$) >>

Mach (M1)	Mach (M2)	P2/P1	T2/T1	U1/U2=p2/p1	P02/P1	P02/P01
1,00	1,000	1,000	1,000	1,000	1,893	1,0000
1,02	0,981	1,047	1,013	1,033	1,938	1,0000
1,04	0,962	1,095	1,026	1,067	1,984	0,9999
1,06	0,944	1,144	1,039	1,101	2,032	0,9998
1,08	0,928	1,194	1,052	1,135	2,082	0,9994
1,10	0,912	1,245	1,065	1,169	2,133	0,9989
1,12	0,897	1,297	1,078	1,203	2,185	0,9982
1,14	0,882	1,350	1,090	1,238	2,239	0,9973
1,16	0,868	1,403	1,103	1,272	2,294	0,9961
1,18	0,855	1,458	1,115	1,307	2,350	0,9946
1,20	0,842	1,513	1,128	1,342	2,408	0,9928
1,22	0,830	1,570	1,141	1,376	2,466	0,9907
1,24	0,818	1,627	1,153	1,411	2,526	0,9884
1,26	0,807	1,686	1,166	1,446	2,588	0,9857
1,28	0,796	1,745	1,178	1,481	2,650	0,9827
1,30	0,786	1,805	1,191	1,516	2,714	0,9794
1,32	0,776	1,866	1,204	1,551	2,778	0,9758
1,34	0,766	1,928	1,216	1,585	2,844	0,9718
1,36	0,757	1,991	1,229	1,620	2,912	0,9676
1,38	0,748	2,055	1,242	1,655	2,980	0,9630
1,40	0,740	2,120	1,255	1,690	3,049	0,9582
1,42	0,731	2,186	1,268	1,724	3,120	0,9531
1,44	0,723	2,253	1,281	1,759	3,191	0,9476
1,46	0,716	2,320	1,294	1,793	3,264	0,9420
1,48	0,708	2,389	1,307	1,828	3,338	0,9360
1,50	0,701	2,458	1,320	1,862	3,413	0,9298
1,52	0,694	2,529	1,334	1,896	3,489	0,9233
1,54	0,687	2,600	1,347	1,930	3,567	0,9166
1,56	0,681	2,673	1,361	1,964	3,645	0,9097
1,58	0,675	2,746	1,374	1,998	3,724	0,9026
1,60	0,668	2,820	1,388	2,032	3,805	0,8952
1,62	0,663	2,895	1,402	2,065	3,887	0,8877
1,64	0,657	2,971	1,416	2,099	3,969	0,8799
1,66	0,651	3,048	1,430	2,132	4,053	0,8720
1,68	0,646	3,126	1,444	2,165	4,138	0,8639
1,70	0,641	3,205	1,458	2,198	4,224	0,8557
1,72	0,635	3,285	1,473	2,230	4,311	0,8474
1,74	0,631	3,366	1,487	2,263	4,399	0,8389
1,76	0,626	3,447	1,502	2,295	4,488	0,8302
1,78	0,621	3,530	1,517	2,327	4,578	0,8215
1,80	0,617	3,613	1,532	2,359	4,670	0,8127
1,82	0,612	3,698	1,547	2,391	4,762	0,8038
1,84	0,608	3,783	1,562	2,422	4,855	0,7948
1,86	0,604	3,870	1,577	2,454	4,950	0,7857
1,88	0,600	3,957	1,592	2,485	5,045	0,7765
1,90	0,596	4,045	1,608	2,516	5,142	0,7674
1,92	0,592	4,134	1,624	2,546	5,239	0,7581
1,94	0,588	4,224	1,639	2,577	5,338	0,7488
1,96	0,584	4,315	1,655	2,607	5,438	0,7395
1,98	0,581	4,407	1,671	2,637	5,539	0,7302
2,00	0,577	4,500	1,688	2,667	5,640	0,7209
2,02	0,574	4,594	1,704	2,696	5,743	0,7115
2,04	0,571	4,689	1,720	2,725	5,847	0,7022
2,06	0,567	4,784	1,737	2,755	5,952	0,6928
2,08	0,564	4,881	1,754	2,783	6,058	0,6835
2,10	0,561	4,978	1,770	2,812	6,165	0,6742
2,12	0,558	5,077	1,787	2,840	6,274	0,6649
2,14	0,555	5,176	1,805	2,868	6,383	0,6557

2,16	0,553	5,277	1,822	2,896	6,493	0,6464
2,18	0,550	5,378	1,839	2,924	6,604	0,6373
2,20	0,547	5,480	1,857	2,951	6,716	0,6281
2,22	0,544	5,583	1,875	2,978	6,830	0,6191
2,24	0,542	5,687	1,892	3,005	6,944	0,6100
2,26	0,539	5,792	1,910	3,032	7,060	0,6011
2,28	0,537	5,898	1,929	3,058	7,176	0,5921
2,30	0,534	6,005	1,947	3,085	7,294	0,5833
2,32	0,532	6,113	1,965	3,110	7,412	0,5745
2,34	0,530	6,222	1,984	3,136	7,532	0,5658
2,36	0,527	6,331	2,002	3,162	7,652	0,5572
2,38	0,525	6,442	2,021	3,187	7,774	0,5486
2,40	0,523	6,553	2,040	3,212	7,897	0,5401
2,42	0,521	6,666	2,059	3,237	8,021	0,5317
2,44	0,519	6,779	2,079	3,261	8,145	0,5234
2,46	0,517	6,894	2,098	3,285	8,271	0,5152
2,48	0,515	7,009	2,118	3,310	8,398	0,5071
2,50	0,513	7,125	2,138	3,333	8,526	0,4990
2,55	0,508	7,420	2,187	3,392	8,850	0,4793
2,60	0,504	7,720	2,238	3,449	9,181	0,4601
2,65	0,500	8,026	2,290	3,505	9,519	0,4416
2,70	0,496	8,338	2,343	3,559	9,862	0,4236
2,75	0,492	8,656	2,397	3,612	10,213	0,4062
2,80	0,488	8,980	2,451	3,664	10,569	0,3895
2,85	0,485	9,310	2,507	3,714	10,933	0,3733
2,90	0,481	9,645	2,563	3,763	11,302	0,3577
2,95	0,478	9,986	2,621	3,811	11,678	0,3428
3,00	0,475	10,333	2,679	3,857	12,061	0,3283
3,05	0,472	10,686	2,738	3,902	12,450	0,3145
3,10	0,470	11,045	2,799	3,947	12,846	0,3012
3,15	0,467	11,410	2,860	3,990	13,247	0,2885
3,20	0,464	11,780	2,922	4,031	13,656	0,2762
3,25	0,462	12,156	2,985	4,072	14,071	0,2645
3,30	0,460	12,538	3,049	4,112	14,492	0,2533
3,35	0,457	12,926	3,114	4,151	14,920	0,2425
3,40	0,455	13,320	3,180	4,188	15,354	0,2322
3,45	0,453	13,720	3,247	4,225	15,795	0,2224
3,50	0,451	14,125	3,315	4,261	16,242	0,2129
3,55	0,449	14,536	3,384	4,296	16,696	0,2039
3,60	0,447	14,953	3,454	4,330	17,156	0,1953
3,65	0,446	15,376	3,525	4,363	17,622	0,1871
3,70	0,444	15,805	3,596	4,395	18,095	0,1792
3,75	0,442	16,240	3,669	4,426	18,574	0,1717
3,80	0,441	16,680	3,743	4,457	19,060	0,1645
3,85	0,439	17,126	3,817	4,487	19,553	0,1576
3,90	0,438	17,578	3,893	4,516	20,051	0,1510
3,95	0,436	18,036	3,969	4,544	20,556	0,1448
4,00	0,435	18,500	4,047	4,571	21,068	0,1388
4,05	0,434	18,970	4,125	4,598	21,586	0,1330
4,10	0,432	19,445	4,205	4,624	22,111	0,1276
4,15	0,431	19,926	4,285	4,650	22,642	0,1223
4,50	0,424	23,458	4,875	4,812	26,539	0,0917
5,00	0,415	29,000	5,800	5,000	32,653	0,0617
6,00	0,404	41,833	7,941	5,268	46,815	0,0297
7,00	0,397	57,000	10,469	5,444	63,553	0,0154
8,00	0,393	74,500	13,387	5,565	82,865	0,0085
9,00	0,390	94,333	16,693	5,651	104,754	0,0050