

# Test case: Mach 17.6

page 109 table 5.3 → Mena's Thesis

Parameter	Freestream	Wall	Outlet
Velocity [m/s]	5000	No-slip	NA
Pressure [Pa]	57.65	NA	Parameter
Temperature [K]	200	500	NA

```
amrisana@amrisana-ubu:~$ mppequil -T 200 -P 57.65 -m 41 air5  
a_f[m/s]  
284.062
```

⇒ Mach =  $5000/284.062 = 17.60$