

HW 8 & Final Exam

Sample Results

V/V_{cc}	0.7	1.0	1.4
\dot{W}_2 KJ/power Stroke	-0.160469	-0.163525	-0.165841
\dot{W}_{34} KJ/power Stroke	+0.871859	+0.941056	+0.757694
T_4 (K)	1466.86	1821.11	1431.40
P_4 (KPA)	572.071	642.154	496.943
\dot{W}_{net} (KW)	17.7847	19.4383	14.7963
\dot{m}_f (Kg/sec)	1.33949 E-03	0.944282 E-03	0.677687 E-03
$sfc = (\dot{m}_f / \dot{W}_{net})$	7.53165 E-05	4.85784 E-05	4.58010 E-05
η_{th}	0.296916	0.460342	0.488258