Introduction

	general info: team, date, experiment, etc.
	short description of goals; introduction
0.5	sketch of experimental setup; indicate relevant quantities
	alignment of interferometer: remarks and observations
0.5	playing with fringes; observations and explanations

Micrometer Calibration

	objective
0.5	measurement: description; count fringes; observations; calculate d_m
1.0	explain formula for d_m
0.5	errors: d_m reading, fringe positions, etc.
1.0	error propagation for d_m

Refractive Index of Air

	objective
0.5	measurement: p_cell vs. fringes; explain how measured
1.0	explain formula for m_p
1.0	plot measurement results: m_p vs. p; linear fit
1.0	determine refractive index of air (n) from fit
1.0	errors: d, p, p_atm, m, fitting->slope error
1.0	error propagation for n

Conclusions

	concluding remarks, etc.
0.5	compare obained value of n with literature value; discuss

10.0 total

Disclaimer: it is intended that this list gives you an idea how your lab report was evaluated. This is not a complete representation of the grading and is by no means inclusive. Extra points were given for exceptional efforts and analysis.