~~2.1~~ 2.2 Resolution

Grating	ϕ / mm	n
1	~~102.9~~	10 / 11
2	-"-	6 *
3	-"-	10
4		9 *
5		6

n ≙ Number of Maxima observed on oscilloscope

$\phi = 2.9$

$\Delta\phi = 0.5\,mm$

* Lowest possible peak might coincide with peak from trigger signal

~~ϕ measured 5 times in order to increase the exactness.~~

2.5 Phase grating

Calibration: d: = 1972.0 Hz ; 9.04 V

we chose f such that the central local maximum was minimal [0th order ⟺ $J_0(kA)$ minimal] ⇒ choose

b: = 2132.05 Hz ; 9.05 V

Measurement	U/V	File	f/Hz
	0.00	1	2132.1
	0.50	2	32.3
	1.01	3	32.3
	1.49	4	32.3
	2.00	5	32.3
	2.50	6	32.5
	3.00	7	32.2
	3.51	8	32.2
	4.00	9	32.3
	4.50	10	32.7
	5.01	11	32.6
	5.50	12	32.0
	6.01	13	32.6
	6.50	14	32.7
	7.00	15	32.4
	7.50	16	32.5
	8.00	17	32.2
	8.50	18	2132.4
	9.00	19	32.7
	9.50	20	32.3

* Double Range at oscilloscope

Comments:

$\Delta U = 0.01\,V$ (oscillating)

$\Delta f = 0.5\,Hz$ (oscillating)

Measuring time: ~~25~~ 9 minutes