RW THAACHEN *	Grundpraktikum Pl	hysik
JUVERSITY	für Mathematik und Physik	
I. PHYSIK. INSTITUT B		I
Gruppe: 02	Versuch:	Teil:
Namen: Adelind	Akustik (Teil 2)	Datum:
Elshari		
Olexiy Fedore	7. Mala	
Stab Dicke: Maspa	_	Cossy!
Länge: 730cm	Nicle: 4024 + tor47 mm	200 JUS
Conget .	0,003mm + 0,485	. 16000
	4000	2 1600 ms
		2 (0)
Peaks 7, 1293,66	tle or47	
1292,88	47	
12 12/00		
2. 1293,77	H=1287,39	
3.7293,07	1237,3	121
=) FFT egol f= 1293 63+0 02/10	- 5-a 56-100N V	- to. C2 m
3. $7293,07$ =) FFT expl $f_{0}=1293,63\pm0,07$ ftc $E=9,5616\cdot10^{9} = 3363 = 33$		
	n=1756,98 \$ ±0,19	*• <u> </u>
	= 130,3cm,	
) = 11,5 mm + 0,46 mm = 11,967 mm	1002 num
V	0,47 mm	
) FFT egal Fo = 1883,38 ± 2,	11 HZ 0,465 mm	
E=1,8·10 片土454758911.2	0,47 mm	
	0, 47 mm	
	0,465 mm	
- K 2C2:		
	1= 1301,69	
Max my	L= 129,9 cm = 0,1an	
) = 11,5 mm + 0,46mm = 11,961mm + 0,	001mm
-> FFT egab fo =1512,86 ± 0,28 H	2 O,46mm	
E= 1,3776.10" = 120373194	I I	
- Language Harman	oulemm	
	O'ubsmm O'ubsmm	
	Q'M & Marc	China va novimentalisti

Aluminium:
$$M = 399,049$$
 $L = 729,3 cm$

$$12 \text{ mm} + \frac{646}{4500} = 12.06 \text{ mm} \pm 0.00 \text{ mm}$$

$$=) FFT \text{ ergab } f = 1923,28 \pm 0.12 \text{ Hz}$$

$$0.07 \text{ mm}$$

$$E = 6.71310^{10} \frac{1}{\text{m}} \pm 64335543,43$$

$$0.065 \text{ mm}$$

$$0.065 \text{ mm}$$

$$0.066 \text{ mm}$$

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\frac{\text{lear: } 65,2\,\text{cm} \quad \text{y: } 51,9\,\text{cm} \quad 9. \quad 32,9\,\text{cm}}{5! \quad 61,6\,\text{cm} \quad 5! \quad \text{u9cm}}
\frac{1}{2} : 50,7\,\text{cm} \quad \frac{6}{3} : \text{u3,6\,cm}
\frac{7}{3} : \text{u3,6\,cm} \quad \frac{7}{3} : \text{u3,6\,cm}
\frac{7}{3} : \text{u1,7\,cm}
=) \sigma_{E} = E \sqrt{(L)^{2} + (M)^{2} + (2 \frac{e}{F})^{2} + (-2 \frac{e}{S})^{2}}
\sigma_{E} = 0,000\,\text{m}
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0,0001hg

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