

Messprotokoll

A-Praktikum

Versuch 4 - Kreiselpräzession

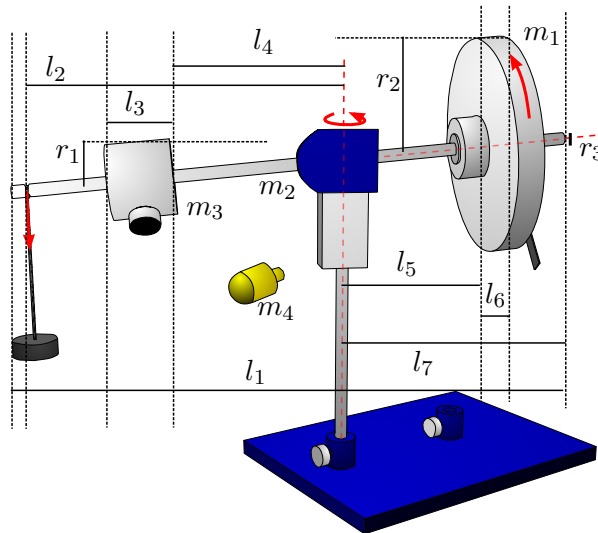


Abbildung 1: Skizze des Versuchs (Quelle: <https://lp.uni-goettingen.de/get/text/3637>)

Gerätespezifische Angaben

l_1 []			l_2 []		
l_3 []			l_4 []		
l_5 []			l_6 []		
l_7 []			$2r_1$ []		
$2r_2$ []			$2r_3$ []		
m_1 []			m_2 []		
m_3 []			m_4 []		

Messung 1 - Schwingungsdauer des physikalischen Pendels

$10T$ []					
$10T$ []					

Tabelle 1: Messung 2 - Periodendauer der Präzession

m []		m []		m []	
T_R []		T_R []		T_R []	
$\frac{1}{2}T_P$ []		$\frac{1}{2}T_P$ []		$\frac{1}{2}T_P$ []	
T_R []		T_R []		T_R []	
$\frac{1}{2}T_P$ []		$\frac{1}{2}T_P$ []		$\frac{1}{2}T_P$ []	
T_R []		T_R []		T_R []	
$\frac{1}{2}T_P$ []		$\frac{1}{2}T_P$ []		$\frac{1}{2}T_P$ []	
T_R []		T_R []		T_R []	
$\frac{1}{2}T_P$ []		$\frac{1}{2}T_P$ []		$\frac{1}{2}T_P$ []	
T_R []		T_R []		T_R []	
$\frac{1}{2}T_P$ []		$\frac{1}{2}T_P$ []		$\frac{1}{2}T_P$ []	
T_R []		T_R []		T_R []	

Tabelle 2: Messung 3 - Periodendauer der Nutation

T_R []		T_R []		T_R []	
T_N []		T_N []		T_N []	
T_R []		T_R []		T_R []	
T_N []		T_N []		T_N []	

Durchmesser des Nutationskegels an der Stangenspitze:

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