Nr.	**Mērījumi**								**Aprēķini, balstoties uz mērījumu datiem**							
p. k.	h, m	H, m	m, kg	t_1, s	t_2, s	t_3, s	t_4, s	t_5, s	$\bar{t}$	$\partial g/\partial m$	$\partial g/\partial h$	$\partial g/\partial H$	$\partial g/\partial t$	Δg	g	ε_g
1	0,16	0,3	0,00560	0,944	0,932	0,952	0,922	0,947	0,9394	-118,685	5,5817	-14,5653	3,3708	0,0085788	7,364405	0,12%
2	0,16	0,3	0,01093	0,654	0,655	0,648	0,649	0,648	0,6508	-247,287	16,7872	-30,3476	7,0233	0,0188716	8,185432	0,23%
3	0,16	0,3	0,01653	0,529	0,522	0,531	0,527	0,521	0,5260	-378,552	31,7954	-46,4566	10,7514	0,0303680	8,629760	0,35%
4	0,20	0,26	0,01563	0,403	0,404	0,403	0,412	0,410	0,4064	-634,146	68,9383	-77,8237	18,0106	0,0553791	9,128019	0,61%
5	0,22	0,24	0,01563	0,349	0,353	0,360	0,358	0,352	0,3544	-833,891	103,9538	-102,3368	23,6837	0,0771379	9,297788	0,83%

$\bar{h}$, m	$\bar{H}$, m	$\bar{m}$, kg	δH, m	δh, m	M, kg	δt, s
0,18	0,28	0,012864	0,0005	0,0005	0,0619	0,001

$$\Delta g=\sqrt{\left(\frac{\partial g}{\partial m}\cdot\Delta m\right)^2+\left(\frac{\partial g}{\partial h}\cdot\Delta h\right)^2+\left(\frac{\partial g}{\partial H}\cdot\Delta H\right)^2+\left(\frac{\partial g}{\partial t}\cdot\Delta t\right)^2}$$

$$\frac{\partial g}{\partial m}=\frac{H^2\cdot 2mht^2-(2M+m)\cdot H^2\cdot 2Ht^2}{(2mht^2)^2}=\frac{2mH^3t^2-4MH^3t^2-2mH^3t^2}{4m^2h^2t^4}=\frac{-4MH^3t^2}{4m^2h^2t^4}=\frac{-MH}{m^2t^2}$$

$$\frac{\partial g}{\partial h}=\frac{(2M+m)\cdot H^2}{2mh}\cdot(-2t^{-3})=\frac{(2M+m)\cdot H^2}{mht^3}$$

$$\frac{\partial g}{\partial H}=\frac{(2M+m)*H^2}{2mt^2}\cdot(-h^{-2})=\frac{-(2M+m)\cdot H^2}{2mh^2t^2}$$

g_1	7,3644 ± 0,0086 ms
g_2	8,1854 ± 0,0189 ms
g_3	8,6298 ± 0,0304 ms
g_4	9,128 ± 0,0554 ms
g_5	9,2978 ± 0,0771 ms

$$\frac{\partial g}{\partial t}=\frac{(2M+m)\cdot 2H}{2mt^2}=\frac{(2M+m)\cdot H}{mt^2}$$

$$\Delta g=\sqrt{\frac{M^2H^2}{m^4t^4}\cdot(\Delta m)^2+\frac{H^4}{(m^2h^2t^4)}\cdot(\Delta M)^2+\frac{(2M+m)^2\cdot H^2}{(m^2t^4)}\cdot(\Delta H)^2+\frac{(2M+m)^2\cdot H^4}{4m^2h^4t^4}\cdot(\Delta h)^2+\frac{(2M+m)^2\cdot H^4}{(m^2h^2t^6)}\cdot(\Delta t)^2}$$