

Extrasolare Planetensysteme

Gegenüberstellung der nominalen Massen und der aus den Aktivitätsfaktoren errechneten

Massen der Zentralgestirne

© 2007, Heinrich Katscher

				$4\pi^2 D^3 / T^2$	Ms-nominal	
Zentralstern	Planeten	Dp-s	m	Tp-s	s	Gamma-s
						Gamma-s/G

Gliese 876 a				Nominal	6,37E+29	
	Gliese 876 d	3,12E+09	1,67E+05	4,30E+19		
	Gliese 876 c	1,95E+10	2,60E+06	4,33E+19		
	Gliese 876 b	3,12E+10	5,27E+06	4,32E+19		
				4,32E+19	6,47E+29	Errechnet

55Cnc a				Nominal	?	
	55Cnc e	5,70E+09	2,43E+05	1,24E+20		
	55Cnc b	1,73E+10	1,27E+06	1,27E+20		
	55Cnc c	3,60E+10	3,80E+06	1,28E+20		
	55Cnc d	7,89E+11	3,90E+08	1,27E+20		
				1,25E+020	1,88E+30	Errechnet

Ups And a				Nominal	2,59E+30	
	Ups And b	8,85E+09	3,99E+05	1,72E+20		
	Ups And c	1,24E+11	2,09E+07	1,72E+20		
	Ups And d	3,77E+11	1,10E+08	1,75E+20		
				1,73E+20	8,65E+31	Errechnet

Gl 581 a				Nominal	6,20E+29	
	Gl 581 b	6,15E+09	4,66E+05	4,23E+19		
	Gl 581 c	1,10E+10	1,11E+06	4,26E+19		
	Gl581 d	3,75E+10	7,20E+06	4,02E+19		
				4,17E+19	6,25E+29	Errechnet

HIP 14810 a				Nominal	1,97E+30	
	HIP14810 b	1,03E+10	5,77E+05	1,30E+20		
	HIP14810 c	6,10E+10	8,23E+06	1,32E+20		
				1,31E+20	2,41E+30	Errechnet

HD217107 a				Nominal	2,03E+30	
	HD217107 b	1,10E+10	6,16E+05	1,38E+20		
	HD217107 d	6,62E+11	2,89E+08	1,37E+20		
				1,38E+20	2,07E+30	Errechnet

HD69830 a				Nominal	1,79E+30	
	HD 69830 b	1,18E+10	7,49E+05	1,16E+20		
	HD 69830 c	2,80E+10	2,73E+06	1,16E+20		
	HD 69830 d	9,45E+10	1,70E+07	1,15E+20		
				1,16E+20	1,74E+30	Errechnet

				$4\pi^2 D^3/T^2$	Ms-nominal	
Zentralstern	Planeten	Dp-s m	Tp-s s	Gamma-s		
					Gamma-s/G	

HD160691 a				Nominal	2,15E+30	Errechnet
	HD160961 d	1,35E+10	8,25E+05	1,43E+20		
	HD160961 e	1,38E+11	2,68E+07	1,44E+20		
	HD190961 b	2,25E+11	5,65E+07	1,41E+20		
	HD190961 c	6,26E+11	2,58E+08	1,45E+20		
				1,43E+20	2,15E+30	

HD38529 a				Nominal	2,77E+30	Errechnet
	HD38529 a	1,94E+10	1,24E+06	1,87E+20		
	HD38529 b	5,52E+11	1,88E+08	1,88E+20		
				1,88E+20	2,81E+30	

HD190360 a				Nominal	1,91E+30	Errechnet
	HD190360 c	1,92E+10	1,48E+06	1,28E+20		
	HD190360 b	5,88E+11	2,50E+08	1,28E+20		
				1,28E+20	1,92E+30	

HD11964 a				Nominal	2,24E+30	Errechnet
	HD11964 b	3,43E+10	3,27E+06	1,49E+20		
	HD11964 c	4,75E+11	1,68E+08	1,50E+20		
				1,50E+20	2,24E+30	

HD74156 a				Nominal	2,09E+30	Errechnet
	HD74156 b	4,41E+10	4,46E+06	1,70E+20		
	HD74156 c	5,10E+11	1,75E+08	1,71E+20		
					2,56E+30	

HD168443 a				nominal	2,01E+30	Errechnet
	HD168443 b	4,50E+10	5,02E+06	1,43E+20		
	HD168443 c	4,79E+11	1,53E+08	1,85E+20		
				1,66E+20	2,49E+30	

HD37124 a				nominal	1,81E+30	Errechnet
	HD37124 b	7,95E+10	1,33E+07	1,12E+20		
	HD37124 d	2,46E+11	7,29E+07	1,11E+20		
	HD37124 c	4,79E+11	1,98E+08	1,11E+20		
					1,67E+30	

HD73526 a				nominal	2,03E+30	Errechnet
	HD73526 b	9,91E+10	1,63E+07	1,45E+20		
	HD73526 c	1,58E+11	3,26E+07	1,47E+20		
				1,46E+20	2,19E+30	

HD155358 a				nominal	1,73E+30	Errechnet
	HD155358 b	9,43E+10	1,68E+07	1,17E+20		
	HD155358 c	1,84E+11	4,59E+07	1,17E+20		
				1,17E+20	1,75E+30	

				$4\pi^2 D^3 / T^2$	Ms-nominal	
Zentralstern	Planeten	Dp-s	m	Tp-s	s	Gamma-s
						Gamma-s/G

HD169830 a				nominal	2,79E+30	
	HD169830 b	1,22E+11	1,95E+07	1,89E+20		
	HD169830 c	5,40E+11	1,82E+08	1,88E+20		
					2,82E+30	Errechnet

HD202206 a				nominal	2,29E+30	
	HD202206 b	1,25E+11	2,21E+07	1,58E+20		
	HD202206 c	3,86E+11	1,20E+08	1,58E+20		
				1,58E+20	2,37E+30	Errechnet

HD12661 a				nominal	1,07E+30	
	HD12661 b	1,24E+11	2,28E+07	1,45E+20		
	HD12661 c	3,84E+11	1,24E+08	1,45E+20		
				1,45E+20	2,81E+30	Errechnet

HD128311 a				nominal	1,67E+30	
	HD128311 b	1,65E+11	3,88E+07	1,18E+20		
	HD128311 c	2,64E+11	7,94E+07	1,15E+20		
				1,16E+20	1,75E+30	Errechnet

47 Uma a				nominal	?	
	47 uma b	3,17E+11	9,38E+08	1,43E+18		
	47 uma c	1,16E+12	2,25E+09	1,22E+19		
				6,82E+18	1,02E+29	Errechnet

Datenquelle: <http://vo.obspm.fr/exoplanetes/encyclo/catalog-RV.php>