GURPS Space

advanced world-building sequence system summary page

Universe number 1

System number 21 max. habitability 6

max. affinity 7

Name **Gamma Leporis** of star

system number 21

companion stars 1

class of star F8 V

periapsis 1.5 a.u. mass #N/A

mass 1.23 M(sol) **luminosity 2.58** L(sol)

apapsis 3.5 a.u. class #N/A

age 4.0

billion years diameter 0.013 a.u.

row	ID#	orbit radius	adius world type		mass		atmosphere	hydrographics	temp	climate	solar day	ні	RVM	Affinit.	
number		(a.u.) (10,000 km)		(Earth dia.)	(Earth masses)	(Earth g.)	1		(C)		(hours)		R	40	
1		0.19	asteroid belt						517	infernal		0	-1	-1	l
2		0.34	asteroid belt						316	infernal		0	-1	-1	l
3	Ι	1.4	standard garden planet	0.82	0.60	0.90	standard breathable	96% water	26	normal	27.9	6	1	7	l
4			1 moonlet						16	normal		0	0	0	P P a l
5	II	10	medium gas giant	8.2	100	1.5	superdense corrosive				15.9				I c t F t t
6			6 moonlets						-166	frozen		0	-2	-2	l
7	IIa	94	small ice moon	0.33	0.02	0.20	very dense mildly toxic	70% hydrocarbons	-160	frozen	254	-1	0	-1	l
8			3 moonlets						-166	frozen		0	-1	-1	l
9	III	19	medium gas giant	9.2	150	1.8	superdense corrosive				13.9				ĺ
10			3 moonlets						-195			0	-1	-1	l
11	IIIa	83	small ice moon				very dense mildly toxic			frozen	170	-1	0	-1	ĺ
12	IIIb	140		0.41	0.07	0.45	very thin suffocating		-193	frozen	376	0	0	0	l
13			2 moonlets						-195	frozen		0	1	1	l
14	IV	33	medium gas giant	10.0	200	2.0	superdense corrosive				13.3				ĺ
15			6 moonlets						-213	frozen		0	0	0	ĺ
16	IVa	115		0.11	0.00	0.06	none		-220	frozen	241	0	0	0	l
17			6 moonlets						-213	frozen		0	0	0	

NOTE: **Nouvelle Vie** has an additional "outer" **Asteroid Belt** at 2.1 Aus from the sun. It did not come up in the GURPS **Random roll** but it has been added

display row #

(see system table)

system number	21	v	vorld [Nouvelle Vie
Plane	tology	Population	n & economy	Society
class of star	F8 V		Habitability 6	
mean distance	1.4 a.u.	Resources abo	undant RVM 1	
perihelion	1.4 a.u.		Affinity 7	
aphelion		settlement ty	_	
axial tilt		carrying capaci	-	
annual period		populati		
	466.1 local days	tech level 1		
local day	27.9 hours		me G\$ 67,000	
		typical wea	alth average	
standard ga	rden planet	economic volu	me G\$ 1.0 E+12	
diameter	0.82 x Earth's	spaceport cl	ass	
	10437 km	Covo	ernment	
density	1.1 x Earth's	Gove		
	6.1 g/cm ³	world uni	ity	
surface gravity	0.90 g.	government ty	pe	
	8.8 m/s^2	control rati	ng	
escape velocity	9.6 km/s	Insta	ıllations	
	moderate			
tectonics	heavy	type	PR	
climate	normal			
temperature				
average	26 C			
periphelion	29 C			
aphelion	23 C			
illumination	140 % Earth's			Note: This is too high!
oceans	96%			Fudging to 109%: Logan's End is 121%
composition	water			
tidal range	0.16 m			
atmospher	·e			
main gases	N2, O2			
traces &c.				
class	breathable			
pressure	1.1 bar			
	(standard)			
Sky objects	apparent:	size period tid	les	
class		(degrees) (hours) (n	n)	
sun: F8 V		0.52 27.9 0.	16	

GURPS Space advanced world-building sequence user controls

			Base carrying capacity at very high TL				
Personal user number	1	enter a counting number (i.e. a positive integer)	TL	Base carrying capacity			
			8	million			
use US Customary units?	FALSE	enter TRUE for US units, FALSE for Metric	9	million			
			10	million			
campaign technology level	10		11	25 million			
			12	30 million			

User-specified stellar characteristics

number of stars	2	Insert 1, 2, or 3, or leave blank for a random result
age of system	4	Insert the system age in billions of years, or leave blank for a random result
mass of primary star	1.23	Insert the mass of the primary star in solar masses, or leave blank for a random result
class of primary star	F8 V	The stellar class is calculated from mass and age. You cannot alter it.
luminosity of primary star	2.58	The star's luminosity is calculated from mass and age. You cannot alter it.
mass of [nearer] companion		Insert the mass of a companion star in solar masses, or leave blank for a random result
class of [nearer] companion	#N/A	The stellar class is calculated from mass and age. You cannot alter it.
luminosity of [nearer] companion	#N/A	The star's luminosity is calculated from mass and age. You cannot alter it.
radius of 1st companion's orbit		Insert the semimajor axis of the nearer companion's orbit in AU, or leave blank for a random result
centricity of 1st companion's orbit		Insert the eccentricity of the nearer companion's orbit, on a scale of 0 to 1, not including 1, or leave blank for a random result
periapsis of 1st companion		Insert the periapsis of the 1st companion's orbit in AU, or leave blank for a random result. This will over-ride radius and eccentricity
apapsis of 1st companion		Insert the apapsis of the 1st companion's orbit in AU, or leave blank for a random result. This will over-ride radius and eccentricity
mass of further companion		
class of further companion		
luminosity of further companion		
radius of 2nd companion's orbit		
centricity of 1st companion's orbit		
periapsis of 2nd companion		
apapsis of 2nd companion		
arrangement of gas giants		Insert "none", "conventional", "epistellar", or "eccentric", or leave blank for a random result
radius of orbit of first gas giant		Insert the semimajor axis of the first gas giant's orbit in AU, or leave blank for a random result. Will over-ride 'arrangement of gas giants'.
centricity of orbit of first gas giant		Insert the eccentricity of the first gas giant's orbit, on a scale of 0 to 1, not including 1, or leave blank for a random result. Will over-ride 'arrange

User-specified planet

marginal condition This value is calculated. You cannot alter it. 1 CI, F	world type	standard	Insert "asteroid belt", "tiny", "small", "standard", or "large", or leave blank for a random system.
primordial atmospheric mass basic atmosphere? worse atmosphere? atmospheric composition marginal condition number marginal condition number marginal condition number marginal condition primordial hydrographic coverage average surface temperature that's climate blackbody temperature density diameter surface gravity mass 0.660 atmospheric pressure orbital radius orbital eccentricity obliquity (axial tilt) primordial day length number of moonlets 1.2 Insert relative atmospheric mass (about 0.5 to 1.5). May be diminished by tide-locking. This value is calculated. You cannot alter it. Insert the number of a marginal condition from the table on the right This value is calculated. You cannot alter it. Insert temperature between 250 and 100 Insert temperature between 250 and 340 Kelvins Insert temperature between 250 and 340 Kelvins Insert temperature between 250 and 340 Kelvins Insert temperature between 250 and 1.07 times Earth's Insert density between 0.8 and 1.2 times Earth's Insert density between 0.8 and 1.2 times Earth's Insert density between 0.8 and 1.07 times Earth's Insert surface gravity between 0.5 and 1.07 times Earth's Insert surface gravity between 0.5 and 1.07 times Earth's Insert surface gravity between 0.5 and 1.07 times Earth's Insert surface gravity between 0.5 and 1.07 times Earth's Insert surface gravity between 0.5 and 1.07 times Earth's Insert surface gravity between 0.5 and 1.07 times Earth's Insert surface gravity between 0.5 and 1.07 times Earth's Insert surface gravity between 0.5 and 1.07 times Earth's Insert surface gravity between 0.5 and 1.07 times Earth's Insert surface gravity between 0.5 and 1.07 times Earth's Insert surface gravity between 0.5 and 1.07 times Earth's Insert surface gravity between 0.5 and 1.07 times Earth's Insert surface gravity between 0.5 and 1.07 times Earth's Insert surface gravity between 0.5 and 1.07 times Earth's Insert relative atmosphere delate time. Insert relative atmosphere delate time. Insert relative atmosphere delate time. Insert relative atmosphere	subtype	garden	Insert "hadean", "ammonia", "ice", "ocean", "garden", "greenhouse" or "chthonian"
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Toodard Talad Modeller Indicate State Section E and E	number of moonlets	1	0, 1, or 2. This value will be over-ridden if number of major moons is not blank or zero.
tectonics heavy Insert "none", "light", "moderate", "heavy", or "extreme", or leave blank for a random result.	vulcanism	moderate	Insert "none", "light", "moderate", "heavy", or "extreme", or leave blank for a random result.