advanced world-building sequence system summary page

Universe number 1 System number						27 max. habitabil max. affin					-	<mark>6</mark> 6		
Name of star						Et	a Cassiopei	iae						
system number 2				27				companion s	tars	1				
			class of star G4 V		V			mass 0.57	pei	iapsis	240	a.u.		
			mass	0.9	72	M(so	I)	class <mark>K8 V</mark>	-	papsis				
luminosity			1.2	7	L(sol)								
			age			billion	years							
			diameter	0.0	11	a.u.								
	ID #	orbit radius	world type	size	mass	g	atmosphere	hydrographics	temp	climate	solar day	HI	RVM	4 finit
row number	ID //	(a.u.) $\frac{(10,000)}{\text{km}}$	worra type	(Earth dia.)	(Earth masses)	(Earth g.)	atmosphere	nyurogrupnies	(C)	ennate	(hours)		R	₹
1	Ι	0.15	tiny rock planet	0.37	-	0.30	none			infernal		0	-1	-1
2	II	0.30	small rock planet		0.34	0.50				infernal	2932	0	0	0
3	III	0.51	standard greenhouse planet		1.4	1.1	superdense corrosive			infernal			-1	-3
4	IV	0.82	standard greenhouse planet	0.77	0.41	0.69	superdense corrosive		380	infernal	13151	-2	-1	-3
5	V	1.0	standard garden planet	1.5	2.7	1.2	dense breathable	50% water	49	tropical	43.6	6	0	6
6	Va		standard ocean moon	0.98	0.86	0.89	very thin suffocating	50% water	19	normal	43.6	0	-2	-2
7	VI	2.2	small rock planet	0.42			none		-83	frozen	916	0	1	1
8	VIa	18	tiny rock moon		0.00		none		-81	frozen	916	0	0	0
9	VII	4.0	large ice planet	0.92			very dense highly toxic		-111	frozen	284	-1	0	-1
10	VIIa	20	tiny rock moon		0.03		none		-130	frozen	284	0	0	0
11	VIIb	36	small rock moon	0.41			none		-132	frozen	682	0	0	0
12	-	6.8	standard ice planet				very thin suffocating		-156	frozen	585	0	0	0
13	VIIIa	10	tiny ice moon			0.08	none	2004	-176	frozen	348	0	-1	-1
14	VIIIb	17	small ice moon	0.41			very dense mildly toxic	-	-157	frozen	585	-1	0	-1
15	IX	10	small ice planet	0.38	0.02	0.15	standard mildly toxic	/0% hydrocarbons	-182	frozen	13.3	-1	-2	-3
16 17	v	17	2 moonlets	0.00	0.17	0.25			-184	frozen	22.2	0	0	0
17 18	X	17	standard hadean planet				none		-226	frozen	22.2	0	-1	-1
18 19	XI XIa	24	standard hadean planet		0.08		none		-233	frozen	994 994	0	-1	-1
19	ліа	22	tiny ice moon	0.1/	0.00	0.07	none		-222	frozen	994	0	0	0

GURPS Space dvanced world-building sequence planet data display

display row #

5

(see system table)

system number	27	world V	Logan's End
Planet	tology	Population & economy	Society
class of star	G4 V	Habitability 6	-
mean distance	1.0 a.u.	Resources average RVM 0	
perihelion	0.98 a.u.	Affinity 6	
aphelion	1.0 a.u.	settlement type	
axial tilt	15°	carrying capacity 2.7 E+9	
annual period	1.03 years	population 3.6 E+6	
	206.8 local days	tech level 10 PR 6	
local day	43.6 hours	per-capita income G\$ 60,300	
		typical wealth average	
standard ga	rden planet	economic volume G\$ 2.2 E+11	
diameter	1.5 x Earth's	spaceport class	
	19134 km	Covernment	
density	0.80 x Earth's	Government	
	4.4 g/cm^3	world unity	
surface gravity	1.2 g.	government type	
	12 m/s^2	control rating	
escape velocity	15 km/s	Installations	
vulcanism	heavy	Instanations	
tectonics	moderate	type PR	
climate	tropical		
temperature			
average	49 C		
periphelion	53 C		
aphelion	45 C		
illumination	121 % Earth's		
oceans	50%		
composition	water		
tidal range	0.84 m		
atmospher	e		
main gases	N2, O2		
traces &c.	,		
class	breathable		
pressure	1.4 bar		
	(dense)		
Sky objects	apparent:	size period tides	
class	••	(degrees) (hours) (m)	
sun: G4 V		0.61 43.6 0.84	
Va: standar	d ocean moon	7.5 fixed	

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			

Insert 1, 2, or 3, or leave blank for a random result

Insert the system age in billions of years, or leave blank for a random result

The star's luminosity is calculated from mass and age. You cannot alter it.

The star's luminosity is calculated from mass and age. You cannot alter it.

The stellar class is calculated from mass and age. You cannot alter it.

The stellar class is calculated from mass and age. You cannot alter it.

Insert the mass of the primary star in solar masses, or leave blank for a random result

Insert the mass of a companion star in solar masses, or leave blank for a random result

Insert the semimajor axis of the nearer companion's orbit in AU, or leave blank for a random result

Insert "none", "conventional", "epistellar", or "eccentric", or leave blank for a random result

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 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 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

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'.

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 stellar characteristics

2

11.5

0.972

G4 V

1.27

0.57

K8 V

0.12

0.66

number of stars
age of system
mass of primary star
class of primary star
luminosity of primary star
mass of [nearer] companion
class of [nearer] companion
luminosity of [nearer] companion
radius of 1st companion's orbit
centricity of 1st companion's orbit
periapsis of 1st companion
apapsis of 1st companion
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 radius of orbit of first gas giant centricity of orbit of first gas giant

User-specified planet

world type	standard	Insert "asteroid belt", "tiny", "small", "standard", or "large", or leave blar	ak for a random system					
subtype	garden	Insert "hadean", "ammonia", "ice", "ocean", "ardean", "areenhouse" or "chthonian"						
	-	This value is calculated. You cannot alter it. 3 4						
primordial atmospheric mass	1.2	Insert relative atmospheric mass (about 0.5 to 1.5). May be diminished by tide-locking.						
basic atmosphere	breathable	Ander relative scale allocations after it.						
worse atmosphere?	FALSE	Insert TRUE for marginal atmosphere, else FALSE or leave blank						
atmospheric composition	breathable	This value is calculated. You cannot alter it.						
marginal condition number			number marginal condition					
marginal condition			1 Cl, F					
primordial hydrographic coverage	50	Insert hydrographic % between 50 and 100	2 sulfur compounds					
average surface temperature	322	Insert temperature between 250 and 340 Kelvins	3 NOx					
that's	49	Celsius	4 organic toxins					
climate	hot	This value is calculated. You cannot alter it.	5 low O2					
blackbody temperature	294	This value is calculated. You cannot alter it.	6 pollutants					
density	0.8	Insert density between 0.8 and 1.2 times Earth's	7 high CO2					
diameter	1.50	This value is calculated. Adjust it using density and surface gravity.	8 high O2					
surface gravity	1.2	Insert surface gravity between 0.58 and 1.24 times Earth's	9 inert gases					
mass	2.70	times Earth's. This value is calculated, you cannot alter it.						
atmospheric pressure	1.44	times Earth's. This figure is calculated. To adjust it, alter atmospheric ma	ISS.					
orbital radius	1.01	Astronomical units. This figure is calculated. You cannot alter it.						
orbital eccentricity	0.03							
obliquity (axial tilt)	15	(degrees)						
primordial day length	12	Insert the original day length (before tidal braking) in hours. About 6 to 4	40, average about 12.					
number of major moons	1	0, 1, or 2. Or leave blank for a random result.						
number of moonlets								
type of moon	standard	Insert a world type no larger that that of the planet (tiny, small, standard, or large), or leave blank for a random result.						
distance of moon	5	(planetary diameters). No less than 5. No more than 40.						
resource value modifier	0	Insert resource value between -2 and 2						
vulcanism	heavy	Insert "none", "light", "moderate", "heavy", or "extreme", or leave blank for a random result.						
tectonics	moderate	Insert "none", "light", "moderate", "heavy", or "extreme", or leave blank for a random result.						
		index none , light , index are , neavy , or extreme , or leave blank						