TECH TREE

1. CONSTRUCTION: 19 1.3

0 Troop IIIa, Armoured Tanks: +1 acc, 10% vsDeath, 20% vs a second target, 1 free shot.

Missile Defence I, Anti Missile: 30% vs enemy missile 0 2.8

0 Space Station II, Trade Hub: Destroyers, +1 supply and unit capacity. +1 CR/station 3.12

0 Missile Defence II, Auto targeting: 50% vs enemy missile

0 Troop VI, Power Armour. Stacks: +2 def, 20% avoid death, Outposts on various planets. GIN

Bomb Shelters I, Planetary Bomb Shelters: 1st bomb fails, 0 +1 troop def, 30% vs bombs.

0 Troop VI, Ground Fighter support. Stackable: 20%destroys incoming transports, +1 troop def.

5.25 Space Station III: Star Fortress: +2 supply range and unit capacity. Build Large and Huge ships. 1 Free shot. Store ships

6.35

0 Special I, Mines: 30% enemy takes 1 dmg.

 $\textbf{Ship I, Improved Design:} +1 \ tech \ slot, +2 \ ship \ cost. \ +2$ 0 transport capacity.

Bomb Shelters II, Deep Core Vaults: +3vs bombing. 50%0 survive hit. +3 troop def. 20% vs death. 7.46

0 Ship IIa, Troop pods.Medium: Carry 1 troop/ ship.

0 Ship IIb, Fighter Bays, Large: Carry 1 scout/ship, Cost +1. GIN

0 Ship IIc, Supply Bays. Large.: Carry 1 Supply point. Cost 8.58

0 Troop IX. Mech Bots: Level 1 troop, GIN.

0 Ship IV, Cruiser: Build Large ships.

0 Planet IV: Artificial Planet: Construct planets. See GIN. 9.80

0

Space Station IV Galactic Citadel: Adds pop., supply, and

0 Ship V, Peace Maker: Build Huge Size Ship. Also treat as Transport. See GIN.

2.POWER: 12

4.18

0 Farm I, Food Replicators: Act. + 2FP

Production I, Advanced Mechanics:+2 LP Act. 2. 10

0 Engine I, Nuclear drive: +1 MP.

0 Bomb I. Nuclear Bomb: medium- +2 bombing. 3.25

0

Production IIa, Advanced planning: +2 unit capacity in any

0 Production IIb, Adv Components: Act. +5LP

0 Production level II, Auto Factory: Pot. +1LP /Colony. 4.40

0 Bomb II, Plasma bomb. Large.: +2 bombing, +50% splatter dmg. GIN

Engine II, Plasma Drive:+2 MP, -1 supply cost. 5. 55

0 Engine III, Anti Matter Drive- +3MP. -1 supply cost, +2

0 Bomb III, Anti-Matter Bomb. Medium.: +3 bombing, 2 dmg.

6.70 0 Engine IV, Time-phase Drive: +5 MP,. -2 supply cost. +3

Special II, Dark Space Teleporter- all tiles cost 1 MP.

0 Production V, Deep Core Mining +1LP/ labourer.

3.CHEMISTRY: 12

1.6

2.10

3.25

0 Armor I, Tritanium Armor: 20% soak 1 dmg

0 Fuel Cells I, Uranium Fuel Cells: +1 system range

0 Missile I, Repulse Missile. Medium: 20% vs jamming.

0 Armour II, Nano-Mesh Construction: 40% soak 1 dmg, 20% missile hit armour for no dmg.

0 Fuel Cell II, Nuclear Fission Cells: +2 system range, +1 MP

0 Armour III, Zortium Armor: 60% soak 1 dmg, 40% 2nd, 30% vs missile. 4.40

0 Missile II, antimatter. Medium: +1 dmg, 30% vs jamming.

0 Bomb III, Planet Buster. Large: +4 boming, 4 dmg. 5.55

Missile III, Plasma. Large.: +2dmg, 40% vs jamming, 50% \circ splatter adjacent ships for 1 dmg.

Fuel Cells III, Fusion Power Cells: +3 system range. +1 MP.

6.70 Fuel Cells IV: Dark Matter Cells: +4 system range, +2 MP. 0

Armor IV, Adamantine Armor: 80% soak 1st dmg, 60% 2nd, 0 50% vs missile. +1 base AP.

4.CULTURE: 13

1.4

3.15

4 25

0 Social Ia, Military Academy: +1 troop acc + def.

0 Socisal Ib, Space Academy: +1 ship acc and def. 2.8

0 Social II, Solar University: All jobs +1 pot./system.

0 Economics I, Solar Market Place: +3 CR/Trade agreement, other party gets +2CR. +1 CR/system with colony.

0 Special: Troop Reserves: Acts as a troop on each colony- see

0 Special: Space Reserves: acts as a scout/ colony- see GIN.

0 Economics II, Black Diamond Standard: +1 CR/ Colony.

0 Social III-Moral Code: +2 on morale die rolls, +2 intel def. -

5.38

0 Culture I. Classical Philosophy: +1 GA card at start of each round.

6.52

0 Prod. IV, Adv. Thermo Dynamics: +1 Act LP/Colony. Stacks.

0 Science IV, Classic Historic studies: +1 Act. RP/Colony.

0 Farm IV, Adv. Micro Biology: +1 Act. FP/ Colony. Stacks. 7.68

0 Economic III, Galactic Report: +3 CR/ Colony.

Social IV, Classical Mystaphysics Achievement: +1 GA 0 Card. Stacks. GIN.

Culture II, Religious Enlightement- Achievement: Greatly 0 aids colonies. GIN.

5.COMPUTERS: 13

1.6

0 Computer I. Adv. Ranged Computers: +1 Acc. +1 range on

 \cap Science I, Adv. Arch. Techniques: Pot. +1 RP/ Colony.

2.12

0 Intel I. Adv. security scanners: +1 Intel. +2 rebellion rolls. attack and def.

0 Comp.II, Optronic Computers. Medium. +2 acc, +1 range

0 Science II, Adv. Data Compression: +2 Act. RP/ Treaty, +7RP pot.

3.21 Social IV, Holograph Training: +1 morale rolls, +1 troop 0 and ship acc, +1 all jobs (pot). See GIN.

0 Computer III: Neural Interfacing: +4 acc, attack range: +3 frwrd, +2 sides, +1 back. Med. 4.35

0 Science III, Holographic Libraries: +1RP/System Act. Stacks:

0 Special III, Structural Analyzer: 50% ignore Armour

0 Intel II, Cyber-Security: +2 intel rolls and rebellions. Stacks. GIN. 5.50

0 Missile Defence IV: 60% vs missile.

0 Computer IV, Adv. AI Network.Large.: +6 acc, rng: +4 frwrd, +3 sides, +2 back.

ScienceV, Galactic Cybernet: +1RP Act/ scientist.

6.BIOLOGY: 10

1.4

0 Farm II, Adv. Farming techniques. +1 FP/Colony Pot.

0 Planet Ia, Mineral Extraction. +1 LP/ Colony Pot.

2.10 0

Planet IIIb. Weather Control: Colonize Toxic planets.

0 Farm III, Subsurface Farming. Act.: +3 FP 3.18

0 Planet V, Atmospheric Dwellings: colonize Gas planets.

Farm V, CarboMeth Diliation. Act +5FP. 4. 32

 \circ Planet VII, Terraforming: Greatly improves Colonies.

5.48

Special V, Adv. Medicine Achievement: +Greatly aids empire, and stops illness. GIN.

 \circ Farm V, Celestial Gardening -Achv: Greatly enhances a colony. GIN

6.60

Planet VIII, Gaia Transform, Achv : changes all colonies 0 into Terra type planets. GIN.

7.<u>PHYSICS</u>: 18

1.3

Beam I, Adv. Laser Cannon. Small/ Med +1 acc, -2acc/1 0 square- See GIN

0 Troop I: Laser Rifle: +1 acc.

0 Scanner I: Base Scanner: +1 acc. See one tech slot. See

2.6

0 Beam II, Fusion Beam: +1 acc, 30% bypass armour, -2acc/ 1 square.

Troop IIIa, Fusion Rifle: +1 dmg, +2 acc, -1 enemy def. 3.12

0 Comms I, Particle Comm's: +1 ship and comm range.

Scanner II. Particle Scanners, Medium: +2 acc. see 2 tech 0 slots. Avoids dangers. See GIN.

Beam III, Partical Beam: 40% bypass armour, 30% kill onboard troops, -1acc/1 square.

4.20 Beam IV, Phasor Beam: +1 acc, 2 shots/action, -0

1acc/2squars 0 Troop VIIa, Phasor Rifle: +3 acc, +1 acc vs tanks and power armour.

5, 32

0 Comms II, Hyper. Comms.: +1 ship range, +2 ship supply and comm range. Stacks. GIN

0 Scanner III, Battle Scanner: See 3 slots. Asteroid fields. See GIN.

6, 43

0 Beam V, Plasma Cannon.Large: +1 dmg, 40% splatter dmg (1dmg). 20% bypass armour. -1 dmg + acc/2squares.

Troop VIIIa, Plasma Rifle: +1 dmg, +2 acc, 40% splatter to 0 another troop. See GIN.

7.55 Beam VI, Dissipater Beam: +1 dmg, +4acc, 80% bypass 0 armour. No dissipation.

0 Troop X, Troop Gate: Move troops to other colonies. See

8.70

0 Special IV, Mass Warp Conduit: Faster movement between colonies. See GIN.

0 Beam VII, Astral Projector.: +2 dmg, bypass armour, 3 shots. Destroys planets... See GIN.

8.FORCE FIELDS: 17

1.4

0 Shields I, Alpha Class: +1 beam def, 40% vs 1 beam dmg.

0 Missile Defence II, Electro Field: 40% vs missile, 30% vs missile dmg. GIN.

0 Planet II, Colony shields: Outposts and colonies on Radiation planets. GIN.

2.8

0 Mass Driver II, Shrapnel shot. Medium: +1 acc, frwrd only, shot spreads to other ships. GIN.

Planet IIIa, radiation shield: Colonize Radiation planets and reduce negs. Stacks. GIN.

3.15

4.25

0 Planet IV. Planetary Shields: +2 bomb def. chance troops cannot land on planet. Colonize asteroids... GIN.

0 Troop IIIb Personal Shield: +2 troop def, chance to avoid

Mass Driver III. Gausse Cannon. Medium:+1 acc, 2 shots. 0

Troop VII b, Gausse rifle: +3 acc, 2 shots. 5.38

Shields II. Delta Class. Medium: +2 def vs beama dn +1vs 0 mass driver. Soaks damage. GIN.

Intel III, Stealth Suit:+2 intel rolls. Recover intel. GIN.

0 Planet VI, Atmosphere Renewer: Removes radiation and toxic negs. GIN.

6.52

Missile Defence IV, Multi-Wave Jammer Field. Large. : 70% vs missile, soaks damage. GIN.

Mass driver IV, Uranium Rounds. Medium.: +1 dmg, +1 0 acc, 50% bypass armour.

Troop VIIIb, Condensed Uranium Ammunition: +2 dmg. +4 acc, 40% bypass armour. Ignore avoid death.

7.65

Shields III. Omega Class Large: Greatly defends vs beam 0 and mass driver attacks. Soaks damage of Astral projector.

0 Mass Driver V, Mason Cannon: +12 acc, +2 dmg, 80 bypass armor and ship. GIN.