

Hunt-Life 3 Confirmed!

Answer: DISLOCATED TAILBONE

Solution: Solvers are shown comics involving 4 fictional post-apocalyptic worlds that all place a firm calendar date on the apocalypse which has occurred in the past from our perspective. Each comic has 3 equations. 2 of the equations are given directly while the 3rd (i.e. the "PREDICTION") is based on knowing the apocalypse date for that fictional universe. Solvers are given 12 nonlinear equations to solve for 18 unknown Greek letters, but if we allow the guess that the Greek letters represent integer values then it turns out that we don't even need all 12 equations and can find the values using number theory.

The equations are

Comic 1: 12 Monkeys

$$\alpha\zeta\mu = 12$$

$$\left(\frac{\alpha}{\kappa}\right)^2 + \left(\frac{\beta}{\nu}\right)^2 + \left(\frac{\delta}{\xi}\right)^2 + \left(\frac{\epsilon}{\pi}\right)^2 + \left(\frac{\eta}{\mu}\right)^2 + \left(\frac{\theta}{\lambda}\right)^2 + \left(\frac{\iota}{\sigma}\right)^2 = 7$$

$$o\left(\frac{\lambda}{2}\right)^3 - \kappa = 1996$$

Comic 2: Terminator 2

$$2\theta^2 + o^2 + \rho^2 = 1000$$

$$\eta\iota - \eta\xi - \iota\xi + \xi^2 = 77$$

$$\beta^3 + \zeta^3 + \nu^3 + o^9 = 1997$$

Comic 3: Chrono Trigger

$$\theta^2 + \lambda^2 + o^2 + \rho^2 = 1000$$

$$\gamma^2 + \delta^2 + \xi^2 - 2\gamma - \xi + 1 = 600$$

$$4\lambda^2 + 2o^2 + 2\rho^2 - \mu = 1999$$

Comic 4: I am Legend (2007 film)

$$\sqrt{\theta^2\zeta^2\sigma - \theta^2\zeta^3 + \sigma^2} = 85$$

$$\frac{\alpha^2 + \alpha\pi}{\gamma} = 4$$

$$\zeta^2 + \epsilon^2 + \iota^2 + 2\lambda^2 + 2\zeta\iota + 2\zeta\lambda + 2\epsilon\lambda + 2\iota\lambda = 2009$$

The fastest way to solve these equations is to note that the 2nd equation in the 12 Monkeys comic can only be true for real numbered values of Greek letters if either every pair of Greek letters in a fraction are equal or two are equal and the remaining 5 are a factor of 2 apart. The values represented by the Terminator 2 equations are all highly constrained and can be mostly obtained from the knowledge that Greek letters represent integers, such as representing 1997 as a sum of 4 cubes or the representation of 1000. Combining the 1st equation of Chrono Trigger with the 3rd equation from Chrono Trigger and the knowledge that $\theta = \lambda$ from 12 Monkeys or from comparing the two equations that both equal 1000, we can deduce that $1999 = 2 \cdot (1000) - 1$, so $\mu = 1$. From here, you have enough values to obtain the others. The longer expressions that look obnoxious all factor into more accessible forms that usually indicate sums of squares or things looking close to sums of squares.

The final values are

alpha	4	D
beta	9	I
gamma	19	S
delta	12	L
epsilon	15	O
zeta	3	C
eta	1	A
theta	20	T
iota	5	E
kappa	4	D
lambda	20	T
mu	1	A
nu	9	I
xi	12	L
omicron	2	B
pi	15	O
rho	14	N
sigma	5	E