

ORRIDGE

h W\]j M aV_dVT]RZ^ 11 h _gVZI]V

$$\frac{aVc^R V}{e^{10TRdfR}}$$

a) $\text{r} \vdash \text{v} \cup \text{w} \vdash \text{r} \vdash \text{f}, \text{f}, \text{x} \vdash$

$$\text{ar}(\mathbb{E}, \cdot) \}_{1, K}$$

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$$d^{\wedge} \cdot \text{€r} \sim \text{vK}$$
[illegible]

Tryz~ 1w.1h vv| 1€uz€x 1d^ €ur CE

gvyzt }v1cvx?1_, K

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$$W.v \in r \sim vK$$
[illegible]

UReVK

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$$gvyzt\}v^1r|v\overline{17}^1,uv$$

v)KmmmmmmmmmmmmmmmmmmmmMv}eGfvKmmmmmmmmmmmmmmmmmmMMExzEv'bz vK

$$Y, \sim v^1a, \dagger\sharp, uvK$$

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[illegible]
$$e, \{r\}^1 \vdash z \vdash r \times v \rightarrow$$

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 $\leftarrow e, \# \} \mathbb{R}$ [illegible]
$$e, \tau \in \mathbb{R} \rightarrow$$

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$$X, r \in \mathbb{R}, \# \{r\} < S: \rightarrow$$

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c` f eV1cVT` cUVc

aJmrvTlvb,t#,uvf\$yvv.%#f,tiz)?Zuadrivvl,lvrvv\$yzvSzjSvtvyt|vu?WVl,l,vrtheu.,flwvrvivxv.iTE-+t#kv.lvw%lvvgzlv.w.s,yI+\$r.urueiv+.e(-.evE?W)lvrgztet}uxcl,sL,-?-+t#svk2vct{+}\$frceveh?

[illegible]
$$Z(t), \forall t \in [0, T]$$

r?Zllyr}}1-r€r€1-€%yzt}v1€r1vwz€r€u1.,ruŠ.,ty€t,€uz€r1r}}1z~v1?

s?Zr~1w}}Ez^ .xu t, t t v t y v %oy z t j v l w . t t , ~ f r € B S ^ t z € v t t ?

t?Zy, }u r W}}u. %x }z v € v r € u l r % € , † s v v € u z t , ^ r } z v u l w , ~ u. %x ?

u? Zltv. ~~z~~lv1v<fv<tv1l €tyzltt)rz~ w... r.vty, tvSytzyr%l€vtvtr.z)€t^..vu1 €tyvsvyr)W w- €v~f}, €v.?

$\frac{dx}{dt} = u$ $\frac{du}{dt} = -\gamma u + \beta v$ $\frac{dv}{dt} = \gamma u - \beta v$