



TOP PREDATOR IN THE OCEAN IS MARINE TURTLE
TURTLES ARE ENDANGERED BY HABITAT LOSS AND CLIMATE CHANGE

With which galaxy x exceeds from our galaxy is proportional the speed v

units is:

Newton's law of gravitation: $F = G \frac{m_1 m_2}{r^2}$

Dimensionless number 1) gravitational constant G both to be the dimensionless number 2) the ratio of the mass of the Sun to the mass of the Earth.

equation

PROBLEMS WITH THE EQUATION OF MOTION

DISTRIBUTION OF MATTER WITH THE LARGE-SCALE STRUCTURES

1)

and with the concept of meso-scale the description of cosmological structures is connected with the concept of heterogeneity.

A ROBERTSON-WALKER'S ACTUALITIES

ibarded model of the universe to set such instant-on-cosmological times.

product.) It plays the role of a star which the actual universe is similar to.

Page 1

flat universe $k = 0$ $S = \mathbb{R}$

અને એવી વિધાન કરી દેણી પડે છે.

M E M X 6

K-E-U-5 88 R

$s(t)$

$s(t)$

parameterized curves

Case 1.

$$Y_{\alpha}(t) = (t, x)$$

the with vector field to obtain the following result.

$89.9\% = \frac{89.9}{100}$

Now let us consider the motion of a cluster of galaxies. We suppose that the cluster has a spherical radius R , and that it is moving with velocity v in a direction making an angle θ with the radial line from the center of the cluster to the point of observation. Then the radial velocity of the cluster is $v \cos \theta$. Let r be the distance of the cluster from the point of observation at time t . Then the radial velocity of the cluster is $v \cos \theta / r$. The radial velocity of the cluster is given by the equation

$$v \cos \theta / r = -\dot{r} / r^2 \quad (2)$$
 where \dot{r} is the rate of change of the radial distance r with respect to time. The radial velocity of the cluster is given by the equation

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$$v \cos \theta / r = -\dot{r} / r^2 \quad (4)$$

When we substitute time t in the equations (2), (3) and (4), we get the following results in particular form

$$\text{& (4).]$$

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Let us consider a cluster of galaxies in a standardised universe S . Then their radial distance R at time t is given by

$$R(t) = R(0) e^{kt} \quad (5)$$

where k is a constant. The function $R(t)$ is called the radial distance function of the cluster.

The radial distance function $R(t)$ is a decreasing function of time. The function $R(t)$ is a decreasing function of time.

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present instant of cosmological time.

$$(8) \quad \rho = \frac{3}{8\pi} \left[\left(\frac{v}{c} \right)^2 + \frac{k}{r^2} \right] \text{ yr}^{-2}$$

and pressure.

This image shows a long, narrow strip of a light blue or teal-colored material, possibly a label or a piece of fabric. The surface has very faint, illegible markings that appear to be bleed-through from the reverse side of the material. There are some darker, irregular smudges and what might be small printed characters, but they cannot be read accurately.

100 100

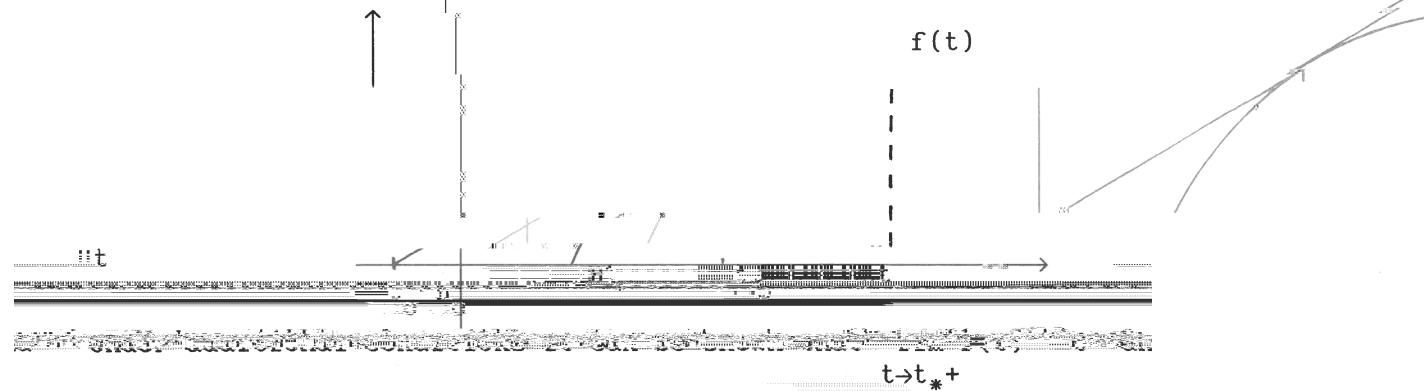
①

200 x 100 42x30

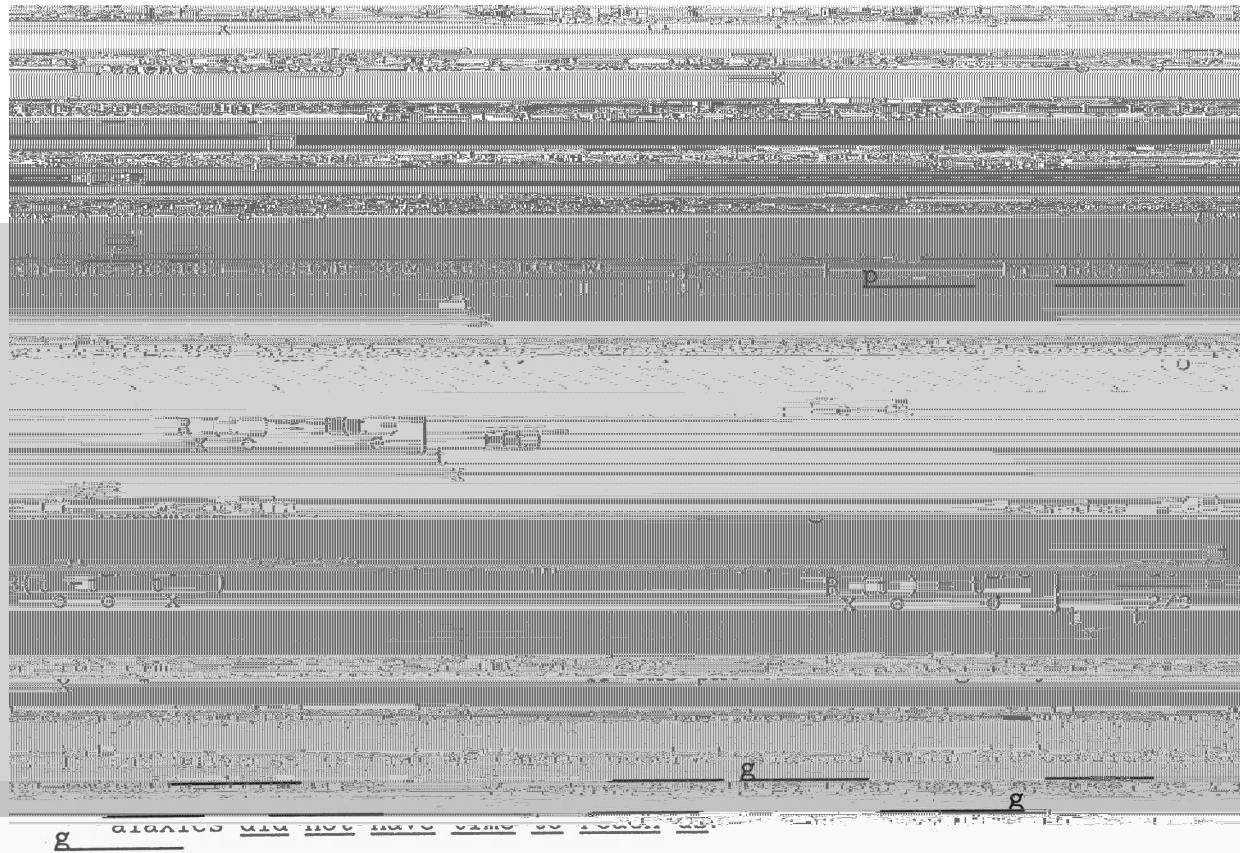
live in an open universe.

10. The following is a list of the names of the members of the Board of Directors of the Company as of December 31, 2010:

*



$\lim_{t \rightarrow t_*^+} r(\tau) = \infty$ i.e. that the singularity is a big bang (cf. Barrett)

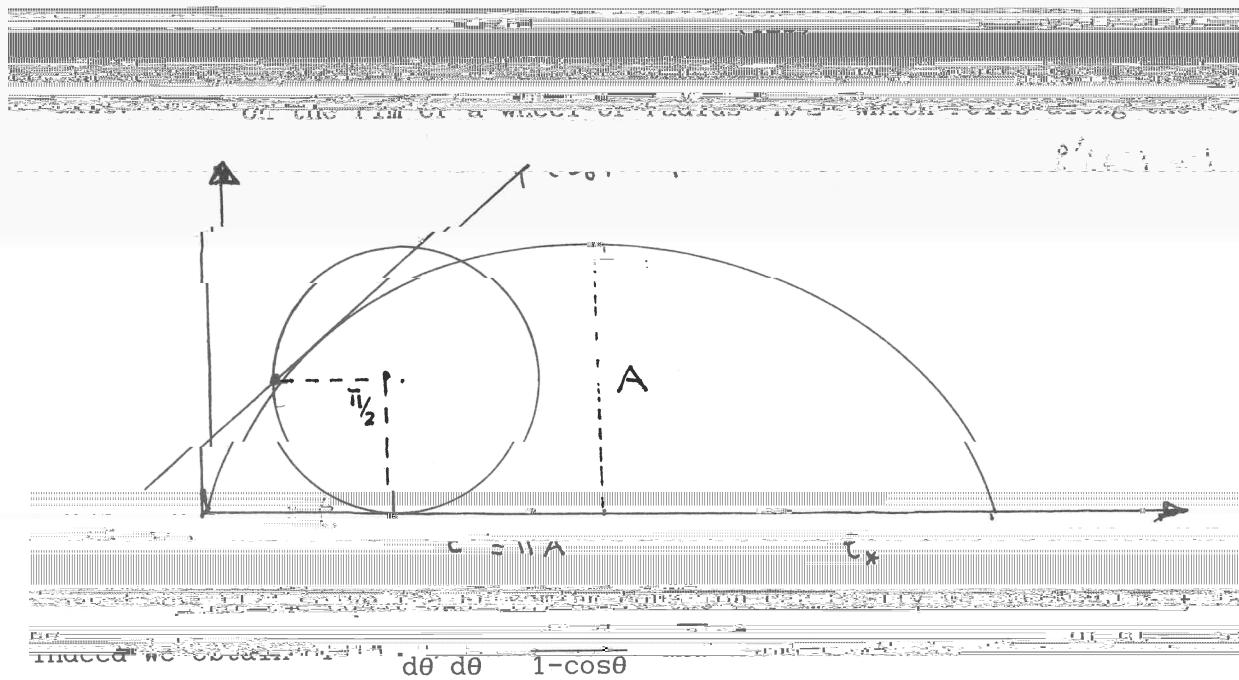


g

g

$$f(t) = A/2(1-\cos\theta)$$

(12a)



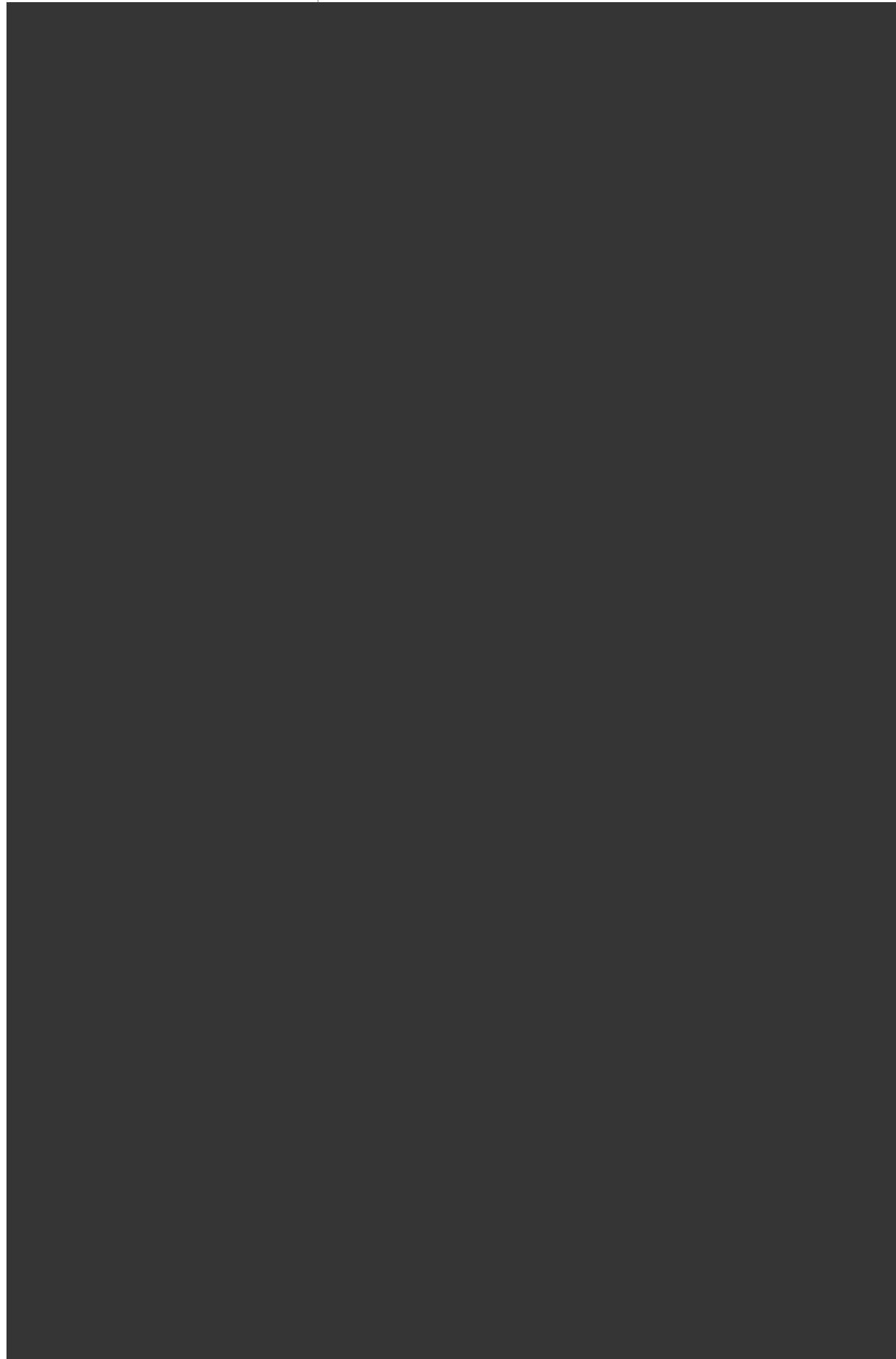
10⁷ years to go! ... we still have ~103.

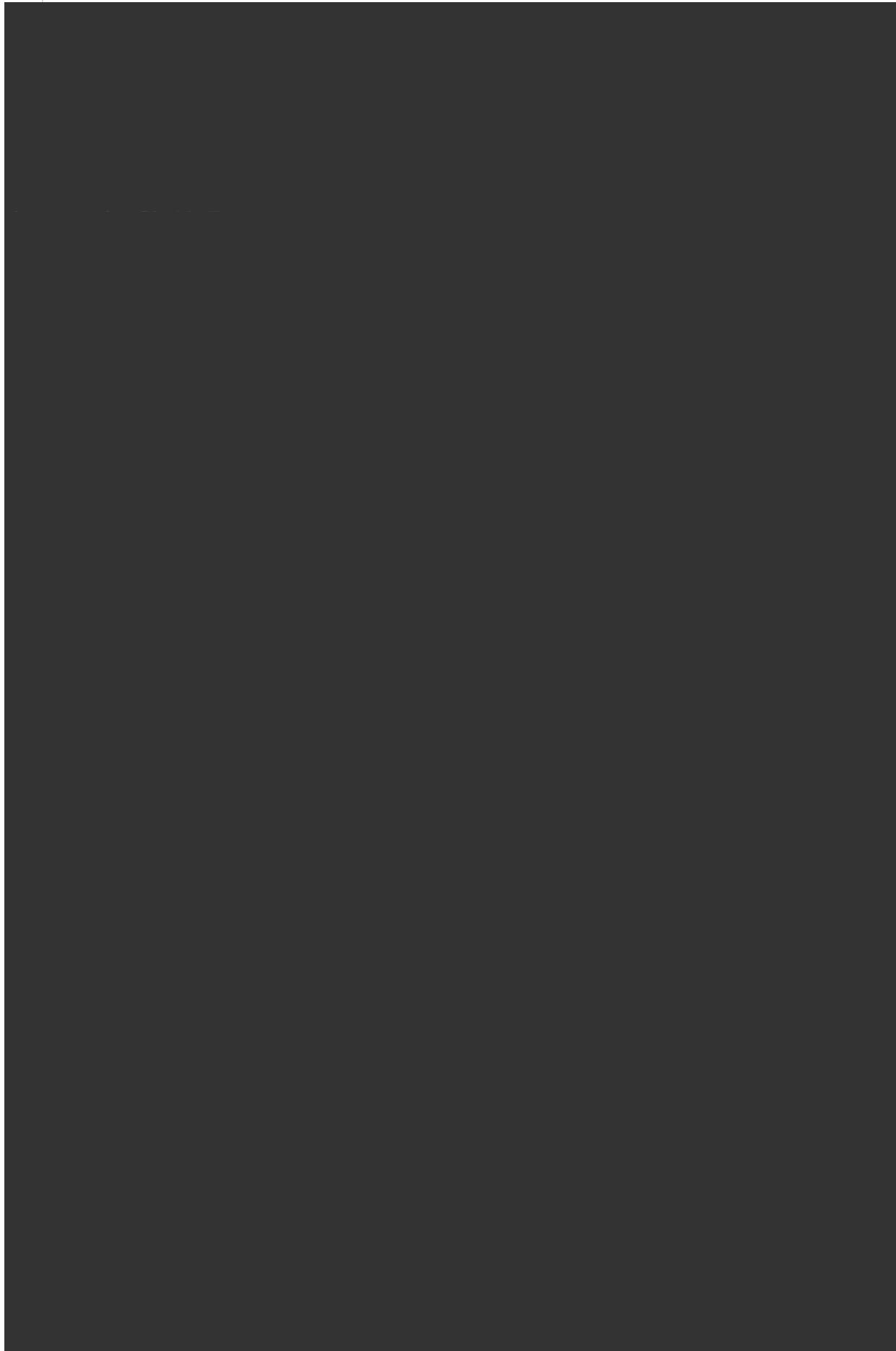
Literature:

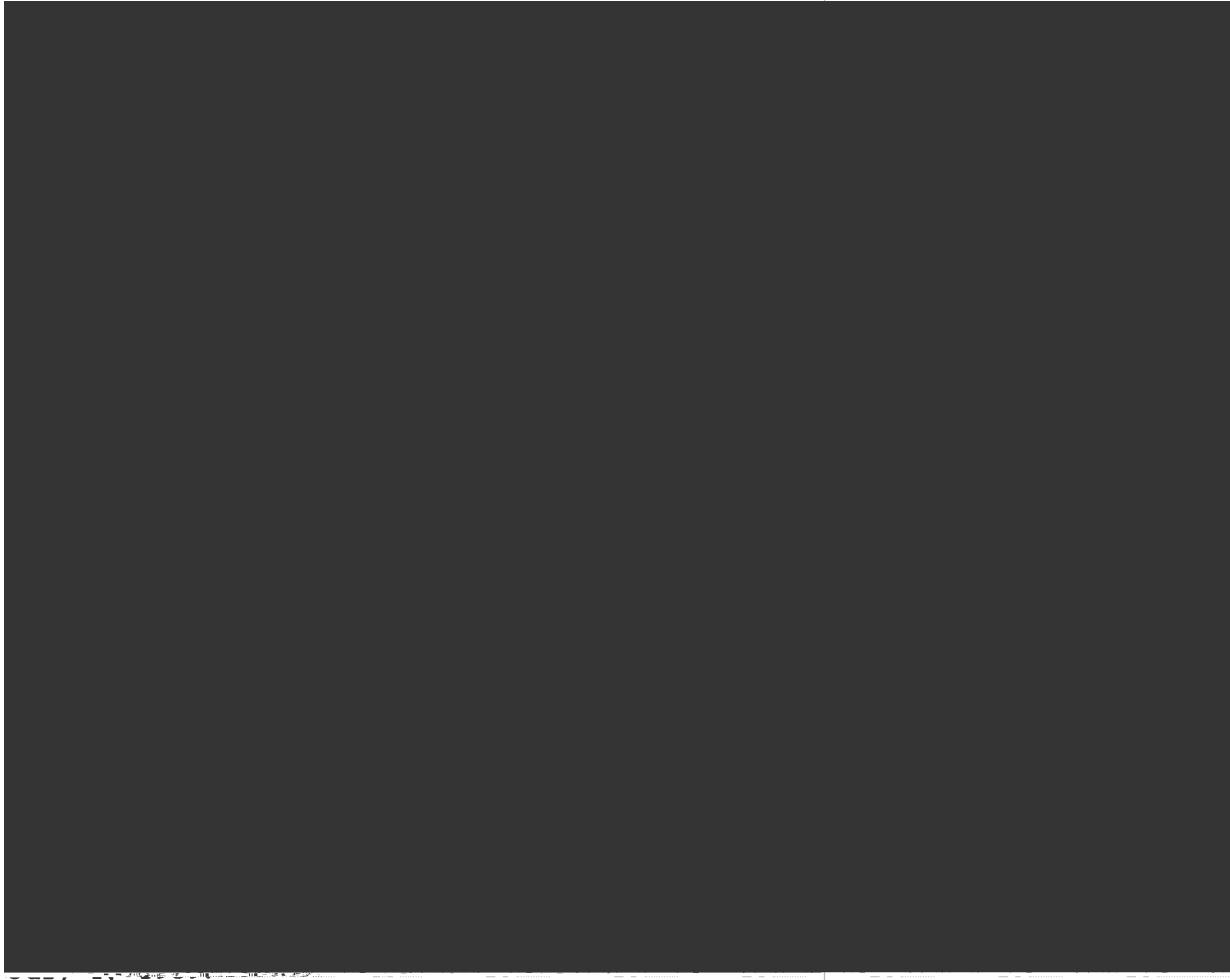
Barrett O'Neill: Semi-Riemannian Manifolds with Application to Relativity
AP 1984.

Very serious about this. Taylor: I'm V

These ideas should be essential for students in all options.
Introduction to Electrical Engineering
Electronics Laboratory
and available because of space limitations! 10







the Communicator.



ST. KIRK 1989

(D. Norman)

YOUR NEW STAFF MEMBERS

10

(M. NICE)

(Mr. Gilliland)

NEWS

12

(COVENTRY, THE STUDENT, "The Restaurant at the End of the Universe").

Address for all correspondence

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