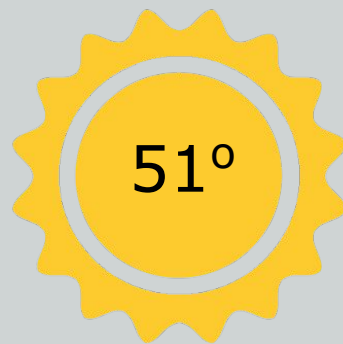

Anti-Gravity TV

Impossible to Put Down!

with **Julian Marlowe**

March 31

1727



Tomorrow

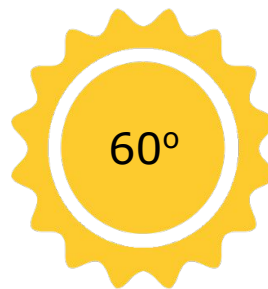
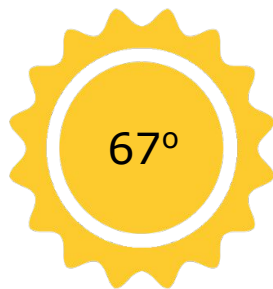
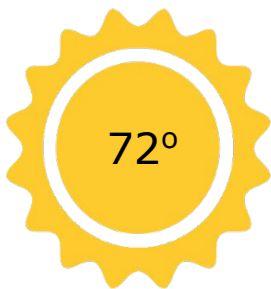
Wed

Thu

Fri

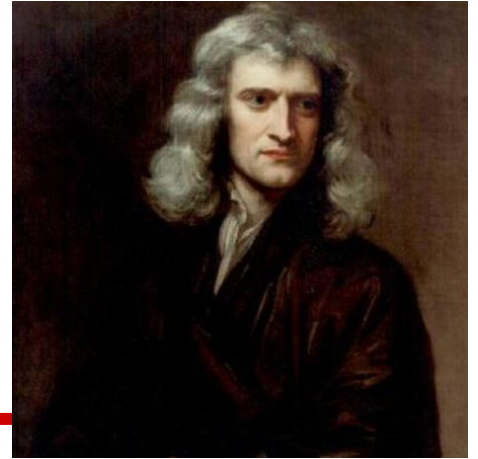
Sat

Sun



Isaac Newton

His Life, Death and Science



with Nathaniel DeMelis

Some Major Discoveries

Optics

his own
work →

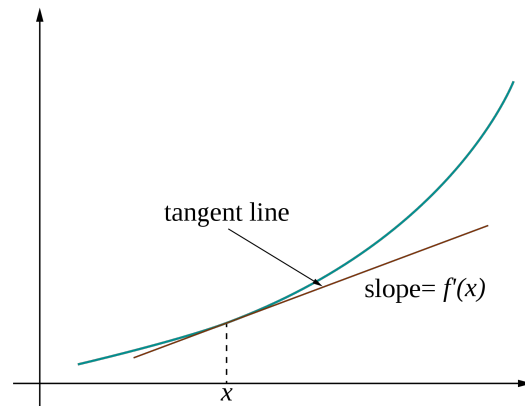
Of Colours

22. If y^e sun S shine upon y^e Prism
Def. some of his rays being transmitted
through y^e base of y^e will make colour
on y^e wall cd at d , others will be
reflected ~~to the wall at c~~ to
 y^e wall at c making only a white
without colours. Now if y^e Prism be so inclined as that
 y^e rays all be refracted more & more obliquely, &
blow colour will at last vanish from d ; see if y^e
red alone being refracted to b , y^e blow will be
reflected to c & make y^e with colour there to
appear a little bluish. But if y^e Prism be more
inclined, y^e red colour at b will vanish too & being
reflected to c will make y^e bluish colour
turne white againe.

23. If in y^e open aire you look at
 y^e image of y^e sky reflected
from y^e ~~base of y^e Prism~~
if, holding y^e eye almost
perpendicular to y^e basis you will see: one part
of y^e sky sp (being at it were shaded with a thin
curtain) to appear darker y^e other qf .
[for all y^e rays will can come to y^e eye from
 qf , fall so obliquely on y^e basis as to be all re-
flected to y^e eye. Whereas those which can come
to y^e eye from sp are so direct to y^e basis as to
be most of y^e ~~transmitted~~ transmitted to g]. & y^e
partition of those two parts of y^e sky, pq , appears
bluish. [for y^e inclination of y^e rays, which can come
to y^e eye from pq , are so inclined to y^e basis that
all y^e blow rays are reflected to y^e eye whilst
most of y^e red rays are transmitted through, to g]
as in experiment. 22

24. Tying two Prisms basis to basis

Differential Calculus



Isaac Newton: Before and Now

Before



Now



150 16-260

PHILOSOPHIÆ
NATURALIS
PRINCIPIA
MATHEMATICA.

^{Autore} ^{auto} J. S. NEWTON ^{Equite fuvato,} Trin. Coll. Cantab. Soc. Matheseos
^{Professore} ^{Lucasiano,} & Societatis Regiæ Sodali.
^{et Societatis Regiæ Societatis præsida.}

IMPRIMATUR.
S. PEPYS, Reg. Soc. PRÆSES.
Julii 5. 1686.

LONDINI,

Jussu Societatis Regiæ ac Typis Josephi Streater. Prostat apud
plures Bibliopolas. Anno MDCLXXXVII.

Edmond Halley: Funder & Friend

Laws of Motion

"Every body continues in its state of rest or of uniform motion in a straight line, except in so far as it is compelled to change that state by forces impressed upon it" (Principia Mathematica, 1687)

"To every action there is always opposed an equal reaction: or, the mutual actions of two bodies upon each other are always equal, and directed to contrary parts" (Principia Mathematica, 1687).

Laws of Motion (explained)



Newton's First Law Applied to Kites

Glenn
Research
Center

"Every object persists in its state of rest or uniform motion in a straight line unless it is compelled to change that state by forces impressed on it."

Initial Conditions:

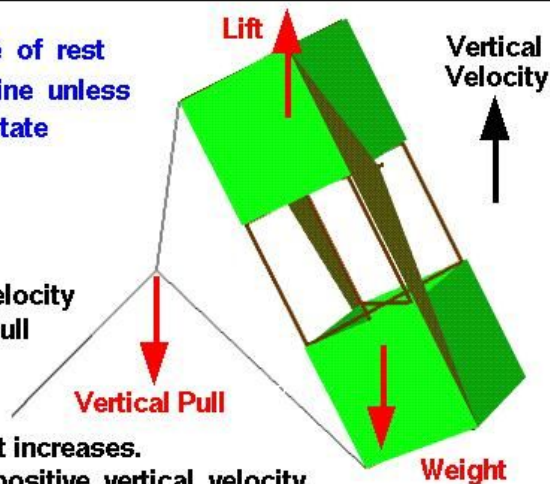
Kite in stable flight. Zero vertical velocity
Lift balances Weight and vertical Pull

Wind Increases:

Lift depends on wind speed – lift increases.
Forces unbalanced – kite climbs – positive vertical velocity.

Tension in line increases:

Vertical pull depends on line tension – vertical pull increases.
Forces balanced – zero vertical velocity – kite in new stable flight.





404 ERROR: GOD NOT FOUND

Anti-Gravity TV

THANKS FOR WATCHING... Next Story Soon
Impossible to Put Down!

with **Julian Marlowe**
