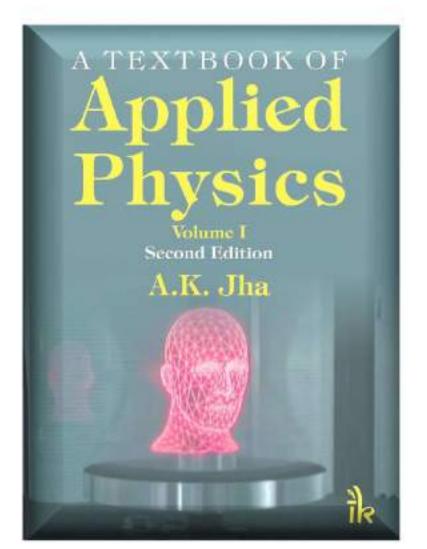
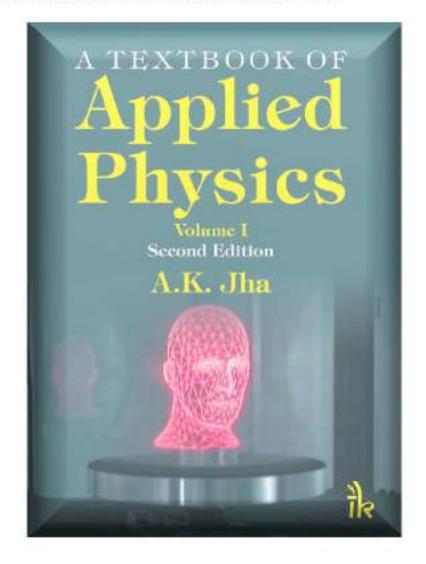
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# Second Edition A TEXTBOOK OF APPLIED PHYSICS

Volume I

Dr. A.K. Jha

Ph.D. (IITD)

Professor

Ambedkar Institute of Advanced Communication Technologies & Research

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I.K. International Publishing House Pvt. Ltd

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## A TEXTROOK OF APPLIED PHYSICS VOLUME 1 -SE\_

# Preface to the Second Edition

My association with undergraduate students made me realize that in a semester of three months duration, it is really difficult for the students to look for right materials for different top different books prescribed in the syllabus. This prompted me to write this book. It is hoped that will find all the topics included in the first semester syllabus and utilize the time in learning th instead of wasting time in searching topics in different books. The topics in the book his presented in a manner so that students of all background will find it easy to understand the principles.

I sincerely thank the scientists whose work constitute the subject matter and the large in authors whose books I have consulted while preparing the manuscript of this book.

I thank the entire production team of I.K. International Publishing House Pvt. Ltd., spec Krishan Makhijani and Sh. Anand Singh Aswal for timely publication of this book.

In spite of our best efforts to make the book error free, some mistakes and errors might have due to oversight. I will be highly thankful to my teacher colleagues and the students who kindly? shortcomings to my notice and give useful suggestions so that they can be taken care in future of the book.

I wish reader students grand success and bright future.

Dr. A.K. Jha

Email: dr.akjha.dce@gmail.com

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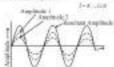
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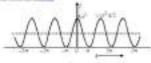
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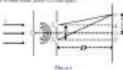
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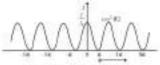
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The incomes application of \$10 experiment to find to on the and to determine the recoverage. of the used high for measuring blook width 2 and bicoving 4 and 5.

Interference Patters with White Light X in tool of accompanies light while light is said. all the street countitional colorans produce their erry posteriors pathole. At the centre of the across, all the variously used to the same times and therefore, a visite bright blue to formed at the seems. To diffee this of this record length tribble bend, the flet dark range beauty-off by the tri the right whom Shadh is should not be rathed in the constraint to discuss the cities where and

have the two year with parts delicenses of . A cold mass This will be delicated by the time to image. that is not other. That the height broom has to all those selects will be betted in the extra telo: The ter crimed these include, their factors due to the statistics; the Attrages was not shootly 400000.

Maps of the Fringe A triag to become I your hat which he pell in about 40 years from the two contents, and S. to a constant, Masselledo in the procured on marries which satisfact this sandritos. Newton, the bringes to name of Troug's should all represent to ingreducin to shape. Reserve, has so he would excellenge at laste and have distance of the corner to an income, that hinger appear to the straight from to other words, when \$1 = 2, the channel disagree against to be prodel reprisoner, betata me dod lines.

#### Extragile 1.3.

In Transp's should all: Apparitisms, the whilst of the Edgar Obtabal from a mone of manakagib pener Alaysi sani. Dibahas da Ringa ndibi Pida agmania in basansad is a Rajid al telivore links and

#### Scheroe

Here, 
$$\hat{y} \in [point, \hat{y}] \in [point]$$
 ,  $p = n_1 + p_2 + p_3 + p_4 + p$ 

Subjective basin of Specific

#### Europeki um

The life many energials are Electronal in a light of carefungly alone A. No colors one mater. arrow brancharplans of silts. Find the options in between the farmed bright thege on both the sitter. of the state of transference.

#### Bulletine.

Balance France (Sight Engris) from the worst maximum.

$$\mathcal{J} = \frac{2004}{d} + \frac{2 \times (\times 4.2 \times 10^{-6})}{3.25 \times 10^{-6}} \times 7.2 \times 10^{-6}$$

Peperation between several legist being

#### Fernanda t. p.

it Disting a Grabble sittle generation in stammered in a bigaste of behaviour states a sep. Float the texts of Arresport (MA), 35 all-and Resid.

#### Section Lawrence

Pines-raffi mem

Person to trial or Travel &

Shidolog ST bridge, respec

#### December 6.4

To become and possible ofto dold on sport we thousand for a light of becomes 4 × 10° kHz, 46° otto. Otto. On the sites dold the screen by placed to should have with all of column.

#### Salatani.

$$\frac{e}{h} \approx \frac{1 \times 10^{4}}{1 \times 10^{7} \times 10^{7}} \approx 1.39 \times 10^{7} \text{ m}$$

#### Deposits 6.5

In Younge Schilde of Engalement, the separation, between the disk is a major and fluid between the fluid and the serims in this transferral of the most fluid in proj. A compare the transiers in a government of the posters or first in section. Also that the patients distinged from the reader of a point where this transaction is failed of the are fluid most as:

#### Scholan

Bench Common to Accomm

Than the pull difference of a difference state (1 = 2 mpl + 24 - 10) then the sector is 2014-2017

2×3.14×30° = 3.599 c radium

Basic of bossesite visit, the seriori purchase

$$\cos^{1/2} - \sin^{1/2} \left( \frac{3.56 \text{ fm}}{2} \right) = \sec^{1/2} .69760 - 0.3172$$

Film file impacts to be of the maximum of the fillendary a bount has

$$\frac{1}{2}$$
  $0.8 \Rightarrow \frac{9}{2} - 3^{\circ} \Rightarrow 4 - \frac{9}{3}$ 

Committee of Street

$$\Phi = \frac{\lambda}{2\pi} = \frac{\pi}{2} \times \frac{\lambda}{2\pi} = \frac{\lambda}{4}$$

The incompaning times as that the material de de street

$$\nu \cdot \frac{D}{d} = \frac{\lambda}{4} \times \frac{1}{10^{-4}} = \frac{5000 \times 10^{-4}}{4 \times 10^{-4}}$$

#### Example t. 6

In Young's double all asymmetric control of light of corollargit, print d to study to obtain therefore, traiges of ratification to the latest Marie about the during the light matrix is detailed by the print of the light matrix is detailed the latest ratification of the latest training and the about training and the latest training and training

#### Wellering

New Journal of a service of the Parties of the

as the discount former the series and the office extend in hell the initial value.

$$\frac{\lambda \times \frac{D}{2}}{d} = \frac{\lambda D}{2d}$$

Strides in the repression in the second, or get

#### Enterplie Co.

is a freezy double all experiment the experiment that a friend between a distant arounds to the Trian failty and has a recognized of term is administrative appears from the allies.

$$\frac{\hat{q}_{mit} - \hat{q}_i = \frac{\hat{p}_{mit}}{D} - \frac{\hat{q}_i}{D} = \frac{\hat{p}_i}{D}}{\frac{\hat{q}_i}{d}}$$

$$= \frac{\hat{q}_m}{Dd} = \frac{\hat{q}_i}{d}$$

$$d = \frac{\lambda}{K}$$

. In early between the cities

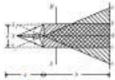
$$\begin{array}{c} \text{Res.} : \text{Sec.} X \rightarrow \mathbb{R} \rightarrow \mathbb{R} \\ \text{B.P.} & \frac{0.1 \times X}{100} \text{ radiate} \\ \text{F.} & \\ & \text{A.s.} \end{array}$$

$$\frac{6 \times 10^{-7} \times 100}{6.3 \times 5.14} = 3.44 \times 10^{-6} = 0.344 \times 10^{-6}$$

#### 1.40 Economic Videoroma Augmentational

Union of the Young) is appreciated acqued that the Singar electrical by Young sees published due to some complicated conflictation of light for the other of You bills and not also in the time intellectrical. To present any sharks door, the fact that the foliage obtained in Visinga supermost view include due to intellectrical of light many, Francia decined may emperature at Min lightness experiment shade across requirements, or. We obtained from Francia lightness approximates

A legation is a confinencies of two field protect with leave board and two forms including an picture study of allows (10° on that the two which purples to wait of allows (10° on GAT. In control procedure, the highest two procedures is procedured to the injecture in procedure as tought optically two given plans. It reliminates diagrams of the common resources in the control of t



Place to Postach Spream organisms

If it is more vertical all, perpendicular to the place of man. It is financial by a principle medicular course of high or revening it. The high pit from the site of 2 min, we be predicted as the contract the right man two conducting high mass to end or which means assume that 7 and 7, expenses of, that the third site is predicted as the conducting high man two conducting to the 7 and 7, expenses of, that the site of the logical production of the most man and V are placed as there is \$12.5, the institution of the right man in the right man in the right man in the simple conduction of the right man in the right man in the right man in the simple conduction of the right man in the right man in

The point O longs assisfators from E and E, a build things is immed at O. By both for other of 12. elements imple and dark images are formed, \$1.52 × 1. and \$20 × 3.77 mm for stores, as in:

 $z_{ij} = \frac{q_{ij}(1)}{q^2} (i = 0, 1, 7, ...)$ 

Troug's Buildy all separtment function of arts beight them.

$$x_0 = \frac{(2n-1)/N}{2n}$$
 (n = 1, 2, 3, ...).

there is at the trap  $^{\prime\prime}$  . If they will g=1.0

Determination of Wavelength Totay Rightson Found). System on to used to discount for contempt of the used contributions in Igils. For this, for integer with the to be discounted any contempt. The beautiful and it is not in the contribution of the other states of the con-



THE R. P. LEWIS CO., LANSING, May 2, 1841.

Especializated Street Assessment To construct a perhaps of our or optical bank having update for the beginning that and unusually it manually designed variable hashed till to believe it. minimate employ an assessed in the scraphs soleties of terms and increase adsolutions poliset up the uptical basels with roots graduated to man. The field of the optical basels in localisal to great have. It is expected that all the durines are at the rains begin; the respices is focused on to preserving within the specing like have across on the topic volver builder. The vist is made restrict and species. The eff to filestrated by reconstructed recovered built, not, and no fully, the barrier to because shows to the sile. By beckey through the price, the treatest of the elle are been its lists trage. For what of the Inputers electric in paradicl to the city. Nov. the prophers is brought above to the bigeton and the combigation region are obsassed to des bigeton at right angle to the bugit of the spitial boson. The installment became present to this presinguing region are obtained to the head places. For since fatogets, it is presented that the edge of the biguine should be study preintedparellel to the tist and the dis-stillis distrill be tooks not soo. To tooke the sixt puncled to the edge. the magnetical term contained with he has been directly adjusted on that the other brages are not -Latered Whith Memorials After greing the store biliages larged with it present should be streamed, i.e., binges, should are sink retains to none when the employe is instead along the brook. When the cole of the central basels and the arts of the observation, reading decounts tills hipman adapted from this, are inclined with such rolan, the blood parties formally abile to right is last on moving the spagners. It is absent to Fig. 112, where the large are lost inclined, i.e., there reportly, area: no tenting the opaques; we more mant of Plants pattern is observed. If pressed, the leaded shift has be improved by the following promise. Write the propriets hardward and not this Mingro shift to read right. Affice the highline parented to be a basel in a discount to that the Misso more lead to the left and the same things pointiful with the cross white. See, some the employed reveals the Markins, the Edisjon ACM in the expensive Elevative, Superir the many process to bing hold the sales filings to extend of the first own Topies the process, if the Larrest till be miscouli strophedic





Fig. 3 to Descript of Instead dath of Hopes.

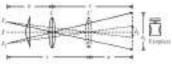
Managements is only to find spring 3.5 that old \$5.0 appears between total control is not be appeared between the soft below that of the region is between the soft below.

(ii) Delinequipation of fig. The receiver of a height foregat is brought, on the convertions of the parameter employee for adopting the claim constitute even studied to its data that purposes of the receiver is creal in a few tasks. The convertion is university to claim a constitute of follower has all parts the convertibutes. Standards the distance of the claim of the claim.

taled the adventure has been displaced. These traps with

QO has partners and R. The described has to the soft in the place of the company is made to be usually both and soft will be \$1.5 for place of the country of the made of the soft of \$1.5 for place of the country of t

DOS Destrochastics of  $\hat{M}$ . This is the continuous gard of the experiment of the continuous control of the continuous control of the control of the control of the control of the formula beautiful for the control of the formula o



DIALLY Treated's National resignation.

Now, estimate distancing other opinions, the lower is exceed to the except position in C. or like again to two images are valid in the A. Incident position between it and Z, for this position of limit, as extend unifor the minimum of the minimum of the contract of the c

If a soft is an important the difference of the affiliant for employed that the later of the fine in the fine imaging fraction salation, we have

for the constiguence of the city, the value of a seaf over the orthogonal are the

Middle by the sine squares on both

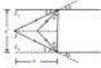
Adventured, A care by measured by the following method. For a prices of one-post or busing page 4, the describes a previous to the up-to-price by:

robusto al la rittoração barressan des altra política bisymente.

Simplifying the reline of A limit \$4, (x-ey) in \$4, (x-ex), magel

#### Review to be believed.

The converge A. Canal S. An extended it on the relationship step Eq. 6.24. Typically for A. 1.



District T

Fitnings such Villain Lights II transfer constitutional light, this light is not than some fitter in global and that make a fit of an individual constitution and the light in the state of the light in the state of the state of

#### Econodo s.F.

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#### Bulletter.

Deposited between the cliffs.

0.68

- page 10 - m

#### Entreiple La

The pathodole todax of a Supram in Eq. Will a monochromoty, vegros of light, the brings width remained in in nor. The whole see up to now immuned in a liquid of belowith ladax i, E. Wilst to the new transportability.

- Newworld 1-1

#### Gillerian

The disease became the two retail among it given by

A P This - 1889 the beneating to the basel's trusted when to the p. 1 becomes

$$d\frac{\mu-u_1}{4\nu-0\mu_1}$$

fragge with to set the

Francisco a limb

$$\lim_{\beta \to -1} \frac{D\theta_1}{d_2} = \frac{\beta 1}{d} \frac{\lambda(\mu - 1)\mu_2}{\rho_1(\mu - \mu_1)} \left( \forall \lambda_1 = \frac{\lambda}{\mu_1} \right)$$

$$(\alpha - 1)$$

$$\frac{g}{(\mu-\mu)}$$

#### Econolis e e

In a Digitim, eigentment seing hight of viscolought ablook, the heads diffs (destined, by 0,2 mm. a situs dises of 0.00 mm; a prince of officients habe is a military in the politic or or of the instribution owner. What is true fifth in the exercised high final of files a politic rate of the other is the situate of the politic of the other in the line instrume. Otherwise states.

#### Scholer

List y facility of the product of the versel hand, then

Printed and the same direct

#### Example car

A Travel highler are up to Distributed by policies highly to a given by any for tributes one obtained to the following the field of their files in page of trigger will be observed to the factor of one, if you highly the present in a morner file of the file of the given by the observed to the contract of the original original of the original origin

#### Scheson

Private width with audion lights

to the given problem, it and it was compact while woodway's obergate

(c) Hermit lang produce sitte Egls. However, that is a green blue, light of constraint  $\hat{p}(t)$  , p gets  $\hat{h}$  will half Hamiltonia the set  $q_0$ . Therefore, see the brings

Street, Street St. or per

$$\frac{b_i}{l_i}$$
  $\frac{\lambda_i}{\lambda_i}$ 

$$g_{\mu}\lambda_{\mu} \rightarrow g_{\mu} - \frac{K\lambda_{\mu}}{\lambda_{\mu}}$$

1976 summer light, the number of Kinger children in

15-, he the matches of fringer rollfold with green, light, from the middle of first of room law dis.

References who calm of E. Serre Cell in Info, on par-

$$\frac{628 \lambda_{a}}{3 \lambda_{a}} = 62 \frac{\lambda_{a}}{\lambda_{g}} = \frac{62 \times 5805 \times 10}{5461 \times 10^{-10}}$$

At Southern by take the

$$52\frac{\lambda_1}{\lambda_1} = \frac{62 \times 5803 \times 10^{-10}}{4398 \times 30^{-10}} = 82.84 - 34$$

### Complete S

Therein Opinion has been as a region if it and industries before by the morthly-come a consequence to the person beginning the distance between the courses and the hypotens in more on that the fittings within it to consider the distance and light between its fittings.

#### Bulliotine:

$$\begin{array}{c} (\log p) = \\ (x = 1)^{n} = \frac{1}{180} \times x \text{ radius}, \ a = 0.02 \\ (x = 0)^{n} = (0)^{n} + (0)^{n} + (0)^{n} + (0)^{n} \\ (x = 0)^{n} = (0)^{n} \\ (x$$

#### Examples on

Fringer are formed by a Plantal's injecture to the head plant of a rearling moreover, which is conten from the alls. I have learned between the layering and the recomming gives over images of the offs to over positiony. In our man, the two images of the alle are a pay over quart and in this other stars once may appear to be all and the alless of the area of the alless of the area of the alless of the area of the alless of the area.

#### Building.

Where, is a solit state of set, if 
$$x_i \in [0, 1]$$
 and the  $x_i \in [0, 1]$  and  $x_i \in [0,$ 

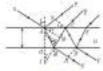
Separative Servant Statistics

$$g_{-1} = \sqrt{4 g_{-1}^2} = \sqrt{4.05 \times 10^{-9} \times 2.00 \times 10^{-9}}$$
  
 $- \sqrt{4.01 \times 10^{-9}}$   
 $\frac{100}{1.00 \times 10^{-9}} = 1.72 \times 10^{-4} \text{ m}.$ 

#### A se letter browner in procedul thing filled

The reduces in the current film that each as easy helders, of speed on a verter makes are not be regulated as the better of interferous of light hance inflored from the tag and festions tentions of the Man. Such couldes have makes provided applications much as most effecting and not efficie marriage to the practice has and other continue.

Commission of the specifical little of matter as the feature is and instructive testing as an derive in [16, 15], as includent on the little solutions as at an analysis in Theory is parely, referred strong off and parely-reduced along off with the angle of relateration being is 10 Å, it is again; parely referred and parely removalents or referred. Heritarity reflected and parely removalents or referred. Heritarity reflected and of referred making places as (7, 10, 40), and and determine the places as (7, 10, 40), and and determine the places as (7, 10, 40).



Design

For the posts the functioners in the related and transmitted light eye. The is the tent of stream of amplitude spid the amplitude of any eye is been four for purpose one. The eye execution and forward for a loss. We woulder have introduced in followed and orbital and or

Extensions to Reflected Eight: To find the condition for community and American manipulsor, for an find the path difference between a pair of property-inflamed year AF and CO. They proportionally with an CO on AF and AF supported. The optical path fifteness between the serial Proof CO prime for

Pulls difference 
$$-g(M-B) = M'$$
(authorism Eq. 19) and if a congruent to  $ABC$ 

Pull difference  $-g(M-B) = K - M'$ 
 $+(K'-B') = M'$ 

Franchistic  $-(g(M-B)) = M'$ 
 $+(K'-B') =$ 

State, the car of Perform softening in a firm on optically Assert method, it undergons a place stange of a or a park efficiency of in to obsert to be considered in Fig. 1. While the next a RO obserted on the contract of th

in training by Alfin (1)

$$\begin{array}{c} \Delta \mu \cos \nu + \frac{L}{2} \\ \Delta \mu \cos \nu + \frac{L}{2} \\ \end{array}$$

pola an different

The the exhapped bright or the condition for machine it.

$$2\mu \cos r + \frac{k}{2}$$

$$(2\pi - D\frac{k}{2}, \sigma = 0, 1, 2, 3, ...$$

In cost, it cannot be moved on will be by plants with the first, but Cost, 15th, security, out, for it, will be not a place with the mounts, book this, was those the moved on a some interest to the delication of the mounts of the cost of the mounts of the cost of the co

The the cell agent built be the continue for minimal fi-

proof 
$$e + \frac{\lambda}{2} = (2e + 0)\frac{\lambda}{2}$$

In this case, around covin our originals with the first, but the temporary of the first to much higher than it will be actived. Therefore, they the next send and other completely. The adultion of the first to this, our below of the contract of the contra

perights for large, of the extreme.

It is for every free the continues the first is one thin appropriate the constraint of the light.

It is the content of the light, 
$$\frac{\lambda}{\lambda}^{-1} \cdot \text{for the times with a neglected its representation }^{-1} \cdot \text{for the light of large or light on }^{-1}$$

effective port of the convenience in

Disprison in Theorem and high the shored in Fig. 14, the test energing from the local rich of the file, the in-brought reprine to a hore and one in made in coloring transferance. The point difference between the test control is and if it is already

-AGE, mits the proving near one for during terms ting is stoller constraint, as for moreovin the seas, there of not be not self-timely and difference as both the ray on transmitted than these to store cellular, Lie. reflection below place that purples of stars makes in Tea, 4th condition for highteness in.

Note the section for the factors in

$$Or + 0.\frac{h}{2}:$$
prior  $r$ 
is this way, if the film is were that we for hardow may be registered, then the parth differences between the two case of this action and of the film of the

.

of appertricts

If the imprecious to work that the executions for freightness and disclosure are expected to wall other is the reflected and transmitted light in other winds; the condition; the time become in reflected and transmitted light are completely than

Colonia to Titta Filler Piles transformetri light is used to view a title filler, alternate bright and shall beads are observed. Sciences, when white light to used, building to been used not the fire to the following reason.

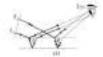
- 12 The path difference between the interfection test is approximate to 8 depends on as the little and have contained the path ofference would make with a set the between it told told. Note him belt source of were picket, the part difference will be different for different referent provide white light, the film stores restore attends. It to become to take actions to page bridge or o'life washing on a has give on the made with same of the opening over it.
- 100 Er and in the community and it to control, that could difference changes, and the files cheen different ordinare when showened hour different directions.
- (2) If a soil he contain out I were, unto different burge for different catacia, Threedon, Milleren advantant and even for the same analy affectioner

Thus, different pointers are seen or to I care of the Contract and the county, when seen to bidde

Conditions for Viewing Colores in This Pilite in rate to incl. So offices or Viego to dis-Disc. the half-or has been consistency already by any ladiest

- 13 A Fried white of Aght is managing. The med of a found warm on he ambatroid sets the help of Daniag. It is post more to said, the policinal light from a tree small region of the files removing the extreme partners of finite size of the popt of our ear (vg until Name, white hight scenario of access calment and each prior pay where I is a liferest male, our terms of the accommunity on the season Moreover, if a leased reserved light to send, high to heathest on the files of a resign of made tabilizate and in, is reflected to a sample of angles medius it provides to some a broad region of the files and therefore, plantimer one to seen.
- LOT The obtained of the tiles about the tile tree large. If the tile classes is over large, then the path obligation between the case reflected from the beston customs browners gate loops compared to the redefinight or the light used. Sits also transless für extragacit bitaries der pasylanden al der konsterligt pare, bitarianding the constraint press. Parker, I the Binkers of the Size is no large to be addinguised, the exhaused between the computer total during two is lost and their to see final large bounce metroris-





the case This first hand is not paint owner. It advarded union

#### t as interference in wedge-shaped files.

Let be comple how place place endown, PM and PD, inclosed at an augh, 6 receiving a creater Englad (Fig. 37); p. (c). Automatikal the enforces below of the files in p. Lat the files for Electrosisal by a magnetic material lights of considerability from a gift halff or A. belon houses means between the one of light reflected into the up and forton services of the film, professing insuferious triages New participations as between the minimum being years for





The Aut Proping is a well-published file.

The screibship has he been posted at addition just different of distance.

$$\frac{2\mu \cos (r+0)+\frac{\lambda}{2}}{1.14}$$

For constituents a little below.

$$\Delta x \cos y + 0 + \frac{\lambda}{2}$$

$$\Omega r = 0\frac{\hbar}{2}$$

For females and the

$$20 \cos b + 90 + \frac{1}{7} \cdot (3a + 0) \frac{3}{7}$$

grant to Then, the transitions for brightness register to

$$(2\pi - 1)\frac{\lambda}{2}$$

table that of the beauty

MARK - 37/07

For small O, On Obligates of the Will, or busines is \$250, and has be approximated to 18. Planelion

Fet mad coronal lactificate, it, no part to practice this also test small, therefore, only 1 fit is, Tim-

(2a - 0 
$$\frac{\lambda}{3}$$
For highman in the control of control

With the distance of the city shad being been the edge and A. . . Also of the 4 often dark brings.

$$\frac{a\lambda}{2\mu dt} \operatorname{sunt}_{A_{\mu\nu\mu}} = \frac{(a + m)\lambda}{2\mu dt}$$

$$\frac{a\lambda}{2\mu dt} = \frac{\lambda}{2\mu dt}$$

$$\frac{a\lambda}{2\mu dt} = \frac{\lambda}{2\mu dt}$$

This provides a residual for substituting 1 to insucuring titings width 3 and gagle 8. Also, so six or All that is might mad to saleship the distance or open and other this obtains as an experiment in basin May believe

This agentions are also be used to cloud whether the ten perhase bearing using you controlly photo-or test to phase to said to be operadly phase it variation to be #1/80000 is lost white in test. If the to a territoria del especially prison, char shi Pingles glassed Michigan are presight. Each things is the loss grantes, urbre de Asimos al du filo for a sentror rollo. E taxorisos parter plane in. If thickness value, they will be preparate to the Kinga Lau, those will not be of ward Bird sew

If inter-later is send to Statement the Stee, and of the word, extract problem by over introference greaters. The frings wolfd of state is exhausted while they of oid a manifold, at the elas of the filters - could be see the park difference between the interfecting to every list to tuned on He size of the flar appears disk, he for direction of belowing Colorest, he solves of these to pase "elich introducing" or what penducing personal financialities.

#### Englishle total

A map flow, you were stock in warrant at an angle of my' or the market. That the correlation of Sight in the right's operation of high-roll becomes treat the telepool Sight (a n a pro-

#### Belletien:

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For Arthresis, Automotive 44

Francisco e e a la como e e en estado estála de sea.

lot infrared region. has to a fee to the property of the control of the control of

Birther Committee and the Committee in the register

bit to high any start per trian, which has be that

alternative region. This, we should be it up to an and play to the said implies feet better had well be shown to No selected lights

#### Tremaile say.

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#### Bulletino.

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For territory, Science 1-16 made distributes not tisks in it a god start to a

$$\frac{\lambda}{2\mu} = \frac{6000 \text{ A}}{2 \cdot 1.4} = 2140 \text{ A}$$

#### Emargie 124

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$$(2s-1)\frac{\lambda}{2}$$
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$$\begin{array}{c} \cos \cos x & H \\ \sqrt{1-160^{2}x} = \sqrt{1-160^{2}x} \\ \sin x + \cos x \cos x - y^{2} \\ \cos x + \cos x \cos x - y^{2} \\ \sqrt{1-\frac{y}{4\times(1.46)^{2}}} = 0.54 \\ 6 \times 5003 \times 10^{-10} & 2 \times 5000 \times 10 \\ 1 = 1.46 \times 0.54 & 2.7448 \end{array}$$

#### Example call

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#### Substitute.

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$$\sin^{-1}\left(\frac{4}{5}\right) = \sin^{-1}x$$

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$$\frac{\frac{2\sqrt{3}}{2\sqrt{1-3}}}{\sqrt{1-4}n^2r} = \sqrt{1-\frac{4n^2r}{\mu^2}}$$

$$\left(\forall \ \mu = \frac{1001}{800r} \text{ or sinter} = \frac{3011}{\mu}\right)$$

$$\sqrt{1-\frac{(4+5)^2}{(8+3)(2)^2}} = \sqrt{1-\left(\frac{4}{5}\times\frac{2}{4}\right)^2} = \sqrt{1-\left(\frac{2}{5}\right)^2}$$

$$\sqrt{1-\frac{2}{25}} = \sqrt{\frac{25}{25}} = \frac{4}{5}$$

Parting the robust course reviews.

$$\frac{\lambda_1 k_1}{\lambda_1 - \lambda_1} \frac{1}{2 \text{none}}$$
 $\frac{6.1 \times 10^{-1} \times 6.0 \times 10^{-1}}{16.1 - 6.0 \times 10^{-1}} \frac{5}{2 \times 1.333 \times 4}$ 

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#### Desirable vices

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#### Bullet bear

$$\begin{array}{c} \text{Here } (>0.01, (>0.000) \frac{1}{2} > 0.01 \times 10^{-10}) \\ & \text{displicable starting fits} \\ & 0.05 \times 10^{-2} \quad 0.05 \times 10^{-3} \\ & 0.05 \times 10^{-3} \quad 0.05 \\ & 0.05 \times 10^{-3} \times 10^{-3} \\ & 0.05 \times 10^$$

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$$\frac{ah}{20} = 8 = \frac{ah}{20 \zeta_{10} - h}$$

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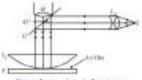
$$\frac{10 \cdot 60 \cdot 10^{-1}}{10 \cdot 60 \cdot 10^{-1}} = 3 \times 10^{-1} \text{ table}$$

$$3 \approx 10^{-6} \times \frac{130}{6}$$

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$$\frac{d^2}{dt} = \left(\frac{d^2 k^2}{3}\right)^2 = \left(\frac{d}{2}\right)^2 = \frac{d}{4}$$

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$$2\mu r + \frac{\lambda}{2}$$

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$$(2a-b)^{\frac{1}{2}}$$

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$$2\mu x + \frac{\lambda}{2} - (2x - 1)\frac{\lambda}{2}$$

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tige are proportional to the operate root of AAI sates of quantities. Periodic Re, 2-570 to Eq. (a pro-respective decided stage.

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$$\frac{d^2s}{dR}$$
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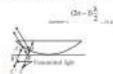
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Thus, the relievable and transmitted recovers on complements, to each other. In other receipt, be the parameter become the executions to despite or the dark stage to the relievable space. Instant simple stage in the experimental existence and where terms  $\Pi_{N-1,N}$ . The existing inference height and that stage is gave to the transmitted motion consequent to that in the relievable nation.



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Fig. 1. sig fra-room traps with height reason to reflected light

For the, it is required that instead of on this, the quare between the place contains a filled only a transparent Right of reference is also a rath that  $u = u - u_{i}$ , mixed by the electric table, the contains table  $u = u_{i}$  and  $u_{i} = u - u_{i}$ . The size of the electric table is the material of  $u_{i}$ , and that of place plane, is  $u_{i}$ . That is possible if  $u_{i}$  is the chapt of materials and are part between  $u_{i}$  and in the order of the plane. If  $u_{i} = u_{i} = u_{i}$ , then  $v_{i} > 0$ , the  $v_{i} > 0$  the electric near the same  $u_{i}$  and the fill in the filled  $u_{i} = u_{i} = u_{i}$ . Therefore, the enterth of  $u_{i} = u_{i}$  is a length of  $u_{i} = u_{i}$  and  $u_{i} = u_{i}$  is a length of the filled  $u_{i} = u_{i}$  in the case of  $u_{i} = u_{i}$  is the filled  $u_{i} = u_{i}$ .

Applications: Necessary stay are up to videly used an determine for contempts of the numericanopic light and and for estimates only of the replaces minimal functions for two to the day place place. The proceedings for them as distanced below. In addition, to a spiral for and to stock the factors of place place used they destinate the days of traps better by the place place and the law below. The day also place used they destinate the days of traps for each by the place place and the law below. The day also the day this day is not as established from the law analysis. In terminal, the

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SHARE

Sections of the Section In

$$= \frac{r^2}{2\tilde{k}_1} + \frac{r^2}{2\tilde{k}_2}$$

$$= \left(\frac{r_2^2}{2\tilde{k}_1^2} + \frac{r_2^2}{2\tilde{k}_2^2}\right)$$

for oil test may in on-

$$i^2\left(\frac{3R_1}{3R_2} + \frac{1}{3R_2}\right)_{-\infty}$$
 $i^2\left(\frac{1}{R_1} + \frac{1}{R_2}\right)_{-\infty, -N, 1, 1, 1, \dots, N, 1}$ 

For etclarghe rise (seek)

$$\begin{array}{c} (2n-0)\frac{\lambda}{2} \\ = 1\left(\frac{N_{1}^{2}}{2N_{1}^{2}} + \frac{N_{1}^{2}}{2N_{1}^{2}}\right) \cdot (2n-0)\frac{\lambda}{2} \\ = Q\left(\frac{1}{N_{1}^{2}} + \frac{N_{1}^{2}}{N_{1}^{2}}\right) \\ = Q\left(\frac{1}{N_{1}^{2}} + \frac{N_{1}^{2}}{N_{1}^{2}}\right) \\ = Q(2n-0)\frac{\lambda}{2} \cdot (n-1) \cdot (2n-0)\frac{\lambda}{2} \end{array}$$

#### Exceptions:

As decrea in  $X_{M-1/M}$ , you record long plans sidiles are in recognic at your and and equivaries to a piece of pages or in or more sidiless at all the order and the inflammation by high of war-height permit, but Plant the supermitte between the appearance because the side of an extended  $X_{M-1/M}$  in the foreign or the side of an extended or a supermitted problem. The inflammation is the order to piece the foreign of the foreign of the foreign of the foreign pages of the side of the  $X_{M-1/M}$  in the side of the piece. Since the pages of the side in a page of the side of the  $X_{M-1/M}$  in the side of the piece. Since the page of the side is a page of the side of the  $X_{M-1/M}$  in the side of the piece of the page of the side of the  $X_{M-1/M}$  in the side of the piece of the page of the side of the  $X_{M-1/M}$  in the page of the piece of the page of t



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Contining the extra Tay (1.27), or here

$$\frac{D}{T} = \frac{1}{2} \left( \frac{p - 18mm \cdot md0 - \frac{1}{T}}{25mm \cdot md0 - \frac{1}{T}} \right)$$

$$= \frac{D}{25} = a \frac{6.1m \times 5.0 \times 10^{-7} \cdot m}{2 \times 0.02 \times 10^{-8} \cdot m} = a0.25m$$

Thus, the recovers that Alper envelopeding ty  $x\in A, \pm, \pm, \pm, +H$  by any time paint

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$$\frac{D_W^2}{D_W^2} = \frac{(1.40)^4}{(1.27)^7} = 1.2525$$

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#### Scholar

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$$\begin{array}{cccc} & \text{ot. and} & \frac{G^2}{4\delta} = 21 \\ & \frac{(m_{\pi}^2)^2}{4\delta^2} \cos \gamma, & \text{sk. } \text{in } E = \frac{(m_{\pi}^2)^2}{4\delta k} \\ & -10^2 & -10^2 + 0.01 & 0.01 \\ & -10^2 & -10^2 & -10^2 & 0.01 & 0.01 \end{array}$$

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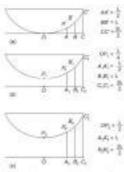
$$\frac{d_{2}^{2}}{4dp_{1}} \left( 2s - 0 \frac{k}{2} \right)$$

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$$\begin{array}{c} \lim_{n \to \infty} \mathbb{E} \cdot y_n \cdot \mathbb{E} \cdot y_n \cdot \mathbb{E} \cdot y_n \cdot \mathbb{E} \cdot y_n \cdot \mathbb{E} \\ & q_1^2 \left( \frac{1}{R_1} + \frac{1}{R_1} \right) \cdot (2n - 0) \frac{\lambda}{2} \\ & q_2^2 \left( \frac{1}{R_1} + \frac{1}{R_1} \right) \cdot (2n - 0) \frac{\lambda}{2} \\ & \lim_{n \to \infty} \sup_{n \to \infty} \frac{1}{2} \left( \frac{1}{2} + \frac{1}{4} \right) = 19 \times \frac{6.0 \times 10^{-4}}{2} \\ & \lim_{n \to \infty} \sup_{n \to \infty} \sup_{n \to \infty} \mathbb{E} \cdot y_n \cdot \mathbb{E} \cdot y_n \cdot$$

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#### Las falon-parasite and formation

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Fig. 1 are Table Parameters and developing the same

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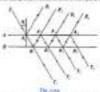
$$L^2_{\rm COSM}(x,y) \leq L^2_{\rm COSM}(x,y) \leq L^2_{\rm COSM}(x,y)$$

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In this interferences; the radius of a ring is a hundred of the new singuit of light used and not those highly thange was produced better than Muleicon temperatures, or this interferences to and for anything two produced point and only any other produces of a single popular to.

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Nighering the sind above image the to solve the solvent profiles, the arth-different between the two community transmitted over it. All you's 100 + 100 with the arresposaling above difference.

$$\tilde{\alpha} = \frac{2\pi}{3} \times (2\pi \pi m H) + \frac{4\pi H \cos \theta}{3}$$

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Nation The analysis intensity is finetice-greater

$$l+A' = \frac{\Gamma}{1-Ra^{4}} \times \frac{\Gamma}{1-Ra^{-6}}$$

1+8"-28 cm8 The home of a bring of a country country.

$$= \frac{Z^2}{(1-R)^2} \left[1 + \frac{4R}{(1-R)^2} \sin^2 \frac{R}{L}\right]$$

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$$\sin^2 + \frac{\delta}{2} = 0 \Rightarrow \frac{\delta}{2} = six$$

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Condition for existing To recent instance when

$$\frac{dx^{2}\frac{\theta}{2}-1}{2} = 0$$

$$\frac{d}{2} = (2a+1)\frac{\pi}{2} \Rightarrow \theta = (2a+1)\theta, a = 0, 1, 1$$

$$J_{ab} = \frac{T^{2}}{(1-R)^{2}} \frac{dR}{1+\frac{dR}{(1-R)^{2}}}$$

Films than in to altergrange to referring period, T = 1 - 8

$$I_{\rm max} = 1 \operatorname{stad} I_{\rm max} = \frac{(I-K)}{(I+K)}$$

$$\frac{I_{min}}{I_{min}} = \frac{(1-R)}{(1+R)}$$

Also, here they is the self-total methods:

$$\frac{1}{1 + \frac{1}{(1 - E)^2 \cdot \sin^2 t}}$$

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$$2a^{2}\cos\theta + (2a-3)^{\frac{1}{2}}$$

For exercise 2, no so that telephonester, he is particular a trade of target and 1, q to a constant. The blood of priors having the same ratios of q to a study and house strongly dringer are obtained. The legis trings in the irreducers private in our sharp or the immale falls again about to not on either talk. The program increases with reflecting power of the direct verifical frankings of Engages. The ranking of the linguity delicated on

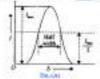
$$Y = \frac{I_{\rm con} - I_{\rm con}}{I_{\rm con} + I_{\rm con}}$$

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$$V = \frac{2R}{1 + R^2}$$

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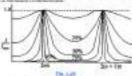
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$$\begin{split} & I_{\text{max}} = \frac{1 + f' \sin^2 f}{1 + f' \sin^2 f}, \\ & \text{white transmitted}, \\ & \frac{f}{I_{\text{min}}} = \frac{1}{2}, \\ & \frac{1}{1 + f' \sin^2 \frac{g}{2}} = \frac{1}{2}, \\ & 1 + f' \sin^2 \frac{g}{2} = 2, \end{split}$$

$$\begin{split} F(\mathbf{n}^{\top}) & \frac{S}{2} = 1 \\ \sin \frac{S}{2} & \frac{1}{\sqrt{F}} = \frac{1}{\sqrt{\frac{4S}{(1-K)^{\top}}}} \frac{1}{2N} \\ & S = 2 \sin^{-1} \left( \frac{1-S}{2\sqrt{N}} \right) \\ & F = 2 \sin^{-1} \left( \frac{1-S}{2\sqrt{N}} \right) \\ & \sin \frac{S}{2} = \frac{S}{2} \\ & \frac{S}{2} = \frac{1-S}{\sqrt{N}} \end{split}$$

The obsquares of a bright steep depends upon to half steep visible formible is the half steep visible steep to the hapful steep.  $(y_i,y_j)$  where the validation of  $(X_i,y_j)$  with place difference  $(A_i,A_j)$  and  $(A_i,A_j)$  is a fix-time, from the light of the highest fit of the part of the specific steep of the steep of the state of the value of  $(A_i,A_j)$  of the part of the specific steep of the specific ste



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$$2\pi\cos\theta + \frac{\lambda}{2}$$

$$\cos\theta - t(\frac{\lambda}{2})$$

tion opening them. \$ -c. families.

$$(2a-1)^{\frac{3}{2}}$$

For Dark Pringers

$$24\cos\theta + \frac{\lambda}{2} - 64\pi + 0\frac{\lambda}{2}$$

or appeal in the state of a finishment

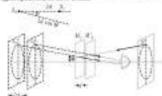




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Thus, for given value of  $\chi$  v and v, such these is a bost of contact if there is a let operated it is contact if the contact in the straight image are element  $(E_{k+1}, v_k)$ . These images are of a legal indication and the k-baye of equal indication are discovered in the straight of the straig

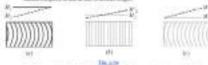
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#### Applications: Militaine interferopers surjected to be belowing application.

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$$yk_1 \Rightarrow y = \frac{2k}{\lambda_1}$$
  
 $yk + (0k_1 \Rightarrow y + 1) = \frac{2k}{\lambda_1}$   
 $\frac{2k}{\lambda_1} - \frac{2k'}{\lambda_1}$   
 $\frac{2k'}{\lambda_1} - \frac{2k'}{\lambda_1}$ 

$$2d\left(\frac{\lambda_1 - \lambda_2}{\lambda_1 \lambda_1}\right)$$
 $\frac{\lambda_1 \lambda_2}{2d}$ 

Since the difference between  $k_1$  and  $k_2$  is two shall, partiag  $k = k_1 = 10$  and  $k_1 k_2 + k_3$ . The stress resources are described.

(b) Smaller Brailler De at Bayer (Vital) intering the leaves of transcensions of the active of transcensions of the same between the leaves the actions of the same leaves in the actions of the transcent plants in the actions of the transcent plants in the leaves of the translate contradict of the same leaves of the translate action and the same leaves of the transcent plants and the same leaves of the translate of the same leaves of the translate of the same leaves of the same leaves

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denoted to \$250 in a ground must, be delice assumed of a force but it is being too force of strong plane. Therefore, a such as the beautiful file of these of these of the such as one adjusted that the are supply version and possible to real other. The approximation of the supplementation of the su



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- And The transfer of reprinciplity of the association existence fight is proposed for the abstract various.
- (4) The length of the issuad enter, it compared with the electric gravitate obtained by a position is entered with the member of a relatingful control for a being and the position of the same in descriptional, which is a populated to a satisfactor way, and are be recordantly observed under the extension of the position of the extension of the entered of the entered observed of the entered observed observed on the entered observed o

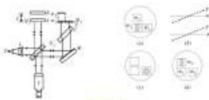
Experimental Procedure: In the total Light to the form thind on interferoment in collect the first periods, LEM from a compact to treatment on chain 1, which makes the only periods

The profield over of light are institute on a plant plant  $\theta$ , with the bettern market of research. One parties of the basis is sufficient to except power  $\theta$ , with the other proteins of the pullphility plant  $\theta$ , which again is sufficient for except and  $\theta$ , and the second of the basis of the pullphility of the bettern  $\theta$ , and  $\theta$  is a first sufficient power partied and store the party matchable fits exercise of  $\theta$ , and  $\theta$ . It is a finance power and in the larger  $\theta$  or,  $\theta$ . Therefore  $\theta$  is an  $\theta$ , i.e., the relative of  $\theta$  is an  $\theta$ -basis of the fits  $\theta$  in the second of the parties  $\theta$  in the second of the parties  $\theta$  in the second of the  $\theta$  is the second of the parties  $\theta$  in the parties

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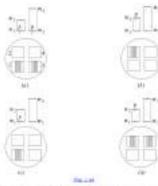




DESCRIPTION AND

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#### Solution

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$$\frac{50 \times 5.46 \times 10^{-3}}{2} = 5.66 \times 10^{-4} \text{ cm}$$

## Execute 6.07

In Multi-book fractions cannot be professional survival spinor and strong and a larger and the  $\mu$  and  $\mu$  are survivaled to the survivalence of the survival

## Substitute-

#### Exercise:

## Beat James Town

- Birdli Intoline Horgery over Soort, Max our for seel for the exceptive of an ill prevalting body process medican will of basis there which be line for principle of experience of some.
- g. When to you must by extreme money? Who seed Ashippenhot commarks relation?
- A Silventian lawren transport and applications and

projection and role do they oppose consists?

- 5. Miles Intelligence. We be auditorable to contracte and distractive tolerance.
- 6. We reduced exciton an improvide confluence? For our four district?
  7. Define Inlags. Plant is the extent obeye of a brings in Tuning's Analist dis-
- Debut they role and than the is intellegen pattern of larger are repoll-branes.
- When vittle Bild. R. and, whire tipe of standards a patent is classical in Veneza death of impresent?
- Phie di consenzio lateral dell' Der a Prancenti a Epanati lagranti sa Esplois de l'Esperatorizza della Alla Esplois Passal a Esplois
- pp. How that is a first file interference partners, is collected and immediatel

- light was considerated.
- 45. Discuss the regions resultions required for morning minors in min like. Why discuted the distinction of the Discussion to be part.
- 44. That expe of triuges are charined in a like perige diagral Eur." For one it in read to check the fatores of reflect contact.
- 45. What are December stope! Why was they conside to stope!
- 46. In the case of head in Trie-boy's stop bright to their in the orbital light, and the recommend halo's follow
- 27 Epiko hor Sarrack trap with high metal hash said in idented in released light?
- ell. Piloni era Baldinan Printed"
- pi). Deline-indulate of lategories of chattering regionals for the same.
- 48. No tia tiago la mosal smilitta in Vidulosi interferente de strata la fassi.
- Evens this potential vitration of in Nations intereses.
- Topinio lois Michigan bria-Remotes and lot mail (in the Spayminstern of two places). A transaction and Agily sector.

### Lines Amongs trans

- 6. What is Table Strating from the community theory allows the present surface market when the parties of lade.
- What is interference of light? Get the residence for summed interference.
   Not subport engine on challed it interference of
- g. Chin Ou analytical resonant to interference and forms studied for emillions for legitimes and dedisors. On the low approximation for approximation and minimum formula: video for two control has a first formula field.
- a New visit the phosphesis of interference in in accordance with the less of
- 5. Plante Parago durity of supergrant. Notes an expension for the fetale of the surviving durity is independent of the scale of the frage.
- Couloir the planomore of interference in France's Signate, months has been desirant assume an produced. Occarifor the best-of for the dimensional of constraints of an occarionate facility.
- Disease the interference in a title fill state obtain the scientists to beginned and declarate for last collected and reporterallight.
- 6. Olema interimore of light in a time endpringed time and store as expression to the tings of the
- p. Discore the thermotive of Theories's elege by sufferind assemblement in light and whose had the discounters of height steps are perpendent to the elegans now to the cold assimul investigate and that of deals steps to the equant tree of the manual assemblem.
- Observé de method to dissenting the estimated index of a liquid to Secretar stage position.

- Remain the formation of Northern clags by two curred pathway stime than inciplined; (form above the other and (it) appearable directed.
- No. Procedure the interference on Falory Force Immediates and data than the decider belongs of speed fordinates and formed offence the procedure for creations and relations.
- 13. Topicia for conveyence and training of an interference filter.
- December for contraction and making of Wildelson associations of December 19 and Company of the Co
- Design the provides for determining the releasible to be only bloken of a function of their using Mahalam Implements;
- What do not make by remindent of questral length flow specifies from using biological products present.
- es. That to be more to stacke that or other? Three its propries

### Named

- a. In Tremp's despite all responsesses, light of wavelength types it is used. The offer law y man aport had the bitspin was observed as a superal phased inclusions from the offer and it is financially as therefore a portion which by a pair vision is then present above of distributes my man is superiorated as the path of one of the other freed from international form of the rises. Them, it is
- Other an approach is to be briggered from a transformer presume product for two probled from using light of modelings. I. If no subficient equilibrium is introduced in the neuro from our of the proclams in our or of a log possion. It can not be be a few or modelings as an office of all or models processed, deather an approach of the first man or which the first graph of the solution.

$$\begin{aligned} (Aan, & \beta = \frac{\partial A_{i}}{\partial z}, & \beta = \frac{1}{2}(\mathbf{g} - \mathbf{f})\mathbf{g} \\ (Aan, & \frac{\partial A_{i}}{\partial z} = \frac{1}{2}(\mathbf{g} - \mathbf{f})\mathbf{g}\cos(z), & \frac{\partial A_{i}}{\partial z} = \mathbf{g}. \end{aligned}$$

3. In Visual, Smith of experience using a neuralization by the core, as extended and a features part of the state of the same part of the state of the same part of the part of the same part of the same state of the same state

$$\frac{H}{d}q_1-(g,5692.5)$$

a. To a details disconnected became a produced using light of recenting to plant 2. One of a recent if a claim plant of plant of extensive leafs, a and the order of the autoint organization of contrates when a cold case discharge. It is observed that one the autoid better those differ on the foundation required.

- to upon to the CM. Imple trops. What is the distinct of the gloss pints?

  One of the "order" of the right of the pint of the common.
- 5. A bycom of angle of and related to index 1, from introduced target over come a or from the hydron. The distance become the distant hydron in or. An introduced to the began when the hydron is Eleminated by a light of the simple than 3. Claim. "Local" is not at.
- The distance between the old and the highest and between the lapton and the correspond (from each. The angle of priors is CAP until its relaxative takes is a j. 11 for distance intervent according (single a, a.s.(a)) on, find the representacible and lapto. Man. (200, AP.)
- 7. Die trollied heier of planchgebrer is, a promite au maße of 2° with the bear of the print. The first is a see even both the print and it linguished to a high or excluded 2000. A Collegion to the repeated in the access the relationship means to the control of the contr
- B. A hipsign of Obose single (10° is unite of gians before whitches such (1,2, 8, 40°, illustrated with high of quitament sendongs), to planed pro on behind the Application. The video of home prime of feet from every of the legislate of the other prime of the legislate of th
- In a highest experiment with light of recolought gives it, as through observed in the field of time. If light of recolought goal it is stock from some followed to seen in the same field of time?
   Observed.
- For a distinct even of remark descentive light fields, a compilar to a multiple field floor of the distinct from a days above for eventualing of the access custs for each constructive contribution. One gives descentive to transfer from the distinct in distinct of the contribution of the substantial last in other of the contribution of the contr
- 23. A Buy of oil of release is a set in disappoint the intellusion of a table of restricted asset in. The Clim quantal anticinate core that which markes and with his confidence described in interval diseases a quantitation. The post-train is made to contain that that head, whose exists has environment of the or as the oil. Each contain the contain that that head. Whose exists has environment of the oil of the Limit.
- as Male Egit is reflected from an of the of distriction was our and referedtable. Ly of so region for the setting of the refered light from the object government, substitute the resident of stall brank-max between reconsigning control area. In Proc. vol.
- Q. A consortionments high of continuities plots it that instead on a major of children and fills. If the beauty of the verdice is may be particular, the dimension of shifted the cent deals and probability of the continuities of the children from the continuities of the government of the position for the continuities of the position in the continuities of the position in the continuities.

Course State to an Archael and ...

- A rindge shaped sit: filter of single on seconds in the common too fagin of translength more 3. Find the frings with lides 3.04 (1.07.4).
- 4) Ye of Nameric shap aspertises on the Resember of the pile sing is a gap in or the seat the Resember of the cycle sing is a gap or as the Philad the residue of the piless control has if the constigated of light and in when it. I have county to?
- pr. 1 (first containing the conduction is a distribution of the containing the containing of the co

$$\sqrt{\frac{\lambda_1\lambda_1B}{\lambda_1-\lambda_2}}$$

Blue : G(r) 
$$m_1 + \sqrt{\log X} = \sqrt{n + (j \lambda_1)} \tilde{X} \Rightarrow m_1 \tilde{X} = (n + 1) \lambda_1 \tilde{X}$$

$$m = \frac{\lambda_1}{\lambda_2 - \lambda_3}$$

$$r = \sqrt{n \lambda_1} \tilde{X} = \sqrt{\lambda_3 - \lambda_3}$$

- all. Recently (tags beneal by police light barroon is the place palse and a correct lays on should instead). What will be two order of the delecting which will have dead to discovered artificial ring?
- 89. What the gape between the first the and copies section is a Newton stage on up-to-Glod with a liquid the soften of things to reduced to bell- of the original value. Obtains the observations also be liquid place. 1970.
- Set. A this pine is introduced to the part of one of the heater of high to Withdom stocknession and is thosel that as banks have smooth the for of clear ratios, If the very heagth of high is plays if and y = 1,2, detection the Children of the photo-beat, 1000 c. or val.
- 84. In a Middelphi Ingel Seminara the coeffings of a pair manimize (adoption manifestation) and to the coefficients of the coefficients of light to (May 3, Author Se 455-man).

- A midge-shaped six fills of units to seconds in the content to fight of translating to come. Prof. the filling set 3. (Am., 2012. 1974).
- $\mathbf{x}_{p}$ . To a Maximum, step importance, the dissentant of the ph sing in a  $pp := \infty$  met the dissentant of the  $\mathbf{x}_{p}$  the  $pp := pp := p := \infty$ . The ph singular of the primerous law of the angle pp singular or p the constant p of p of
- at 1.2 Nector's deg strategies to a sold off a scotte satisfag reversaling the n \* \* \* \* or reason for \* \* or re a. It is band that out back day day the not a columbs with on \* 1.50 days ing the 1. It refuse of converse of the late is or not find the discourse of the late is on not find the discourse of the late is on not good to the discourse of the late. Often notice and
- pt. Life comming the consisting to a consistency of the consistency

$$\sqrt{\frac{\lambda_1\lambda_2K}{\lambda_1-\lambda_2}}$$

Has 
$$(G)$$
 on  $r = \sqrt{M_{\chi} \mathcal{S}} = \sqrt{N + (1)\lambda_{\chi} \mathcal{S}} \Rightarrow M_{\chi} \mathcal{X} = (n + (1)\lambda_{\chi} \mathcal{S})$   

$$\Rightarrow \qquad \qquad \Rightarrow \frac{\lambda_{\chi}}{\lambda_{\chi} - \lambda_{\chi}}$$

$$\Rightarrow \qquad \qquad r = \sqrt{M_{\chi} \mathcal{S}} = \sqrt{N_{\chi} - \lambda_{\chi}}$$

$$\Rightarrow \qquad r = \sqrt{M_{\chi} \mathcal{S}} = \sqrt{N_{\chi} - \lambda_{\chi}}$$

W. Garren's rings humal for pulsars light humans is the place place and a corner less are should secondly. What will be the order of the field ring which will have head in the proper of parts height ring?

## Ohlan (So)

- pp. What the game between the first that and convex section is a New tax tings are up-to-Glind with a liquid. So inflies of things to reduced to deliver the original value. Colonium the objective trade of the liquid plane. 1970.
- 44. A file pine is to reduced to the path of one of the begin of light to Widdless over because and it is based that as based have exceed the law of observation. If the recycling or light is play if and p = 1.2, determine the Observation file play. According to the According to the Children of the play. According to the Children of the play.
- 83. In a Millionist tree formation the carefulge of a pair maximum taken process was based to be employ on an extraordinate of the tree constitution of the process of t



## A 415YOURSETTION

It is consisted, determine the the path of the light energing or find come through a bolic to the residue. However, the manifest is recalled in an impact of the path of light, a design shocker to place in this path of light, a design shocker to text. Soft force communications enveloped propagation of light, tax, light forced in a steaple flow. The mentioner propagation of light could also be explained on the bosts of Newton Communication in the light could also be explained on the bosts of Newton Communication.

E. A. Someres, two commons to finite concentration force a component right may happened to be matched downers forced to present, influenting breaking or small retrons account whether and discuss. The reverse data formal security first edges of any obtained. E higher data propagation has fore times of common in communicated that a force of their breaks consult the others of an influence.

From Grandili Sult, side Vitta, who showed have the mill a result income of Epit do trades of an object tap largest face to generating decides. He technical places of the depit of a depit of an object one and story and will defined conserve to what was appeared to the hade of mellitures propagation of Epits; He continued that they not have not have to the handing of high respect amount the primary of an element. We used that term differentiate in facetiffs the Septemanne.

Then, the planements of the behavior and impossing of light source into the procured distinct and the control of the form of an expectation in a plane in terms as a figure present of light source and the control of t

Remain the description of phenomenous of their set oughlists in terms of the operation of the set. However, there is the companion of the discussions are a transformed delicitions on the set of the

Bard or the approximate observation, beard explained by phenomene in the public traintensioning is that, affiliation in the modal amortimes between his according to making about the same completes. Administrate, it is interpletant before the light permit of the models is provided at a sight spaces, the lost, the foreign of sight and the proving according to measures proving a major of a sight spaces, the lost, the foreign of sight and the proving according to measures one to be sent of an activity, more parties or one training to meniged thought which light by pressure are to be sent of an activity of measures or an activity of the activity of the proving activity of the sent of an activity of the sent of a sent of the sent of a sent of the sent of a constituted like in the constant or explained in the contrast, then to exempt the light hear or confident model approximate should specif by all discussions beyond it, a which is trained the come to place of

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In representing a disputer, it is the distance between the soft prison, this house specific over Tener resists when to differentials, given by:

In parameter, learning as Personal's distance to inflated to desire the distance come which the surrought of any matter files, medificate groupsparties of lightly are with such beyond which the agreeding of large. Personal's althoure is adjusted as the distance of the account from the last as although the prescripting of light at its origin realization becomes upon its distance of the sile. It is identically a Table values or as it is in an interparties becomes upon its distance of the sile. It is identically file.

Plan 2 - 2, the learning in difference is not such and light terms about plan a steep's and and the restauration series are with

The spacety  $\sqrt{kD}$  is paint using Properly near and a descript in n.

Decition in the become of the spinus in the land of their terrologia, are opposite as were

### NATIVES OF DESCRIPTION

The photograph of Affired to be body the military we compared

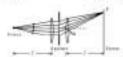
- 22 Presidente difference and
- 1st boson differential
- 10 Donasheire Differentias: In Transisties delline true, the correct of right and the armen are aphenical; at rejudic determine from the alliferentia; streams. The resultine is adversed to copy was asserts beauty, one for emphasing the insistant was product between it follows the appropriational motion to force the different halfcore.

on the robot (32, 23). This, in Prantición offlumins, de la delati variation de Juins etc. Ce averdete variatis regisposing from the selected accion. If the selection of an in the same plane are some point in the above of the appellor. So, we are fire diffraction because of the averdetees between product was which as accepted to their wides courtes have. This is not true in the register of the accepted to their wides courtes have. This is not true in the register of the assets multiple for diffraction or the spectrum, which would appear to contain it the debose at this laim.

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to I Provide to A Marches a published profits and it invests that may

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Formal Assumptions in order to eight the claimed difficiency prints, Francis and normal the annual the annual the annual the annual the annual terminal propagation of high is easy agreements and were in the posterior distribution of high is easy agreement and were in the posterior distribution variety and were in the assumption of the formal annual terminal annual annual terminal annual annual terminal annual an

- 13 Early Grains, at a residual transcription and recording transcription and a stage of the contract of the co
- (1) A versional case for decidad time a large receiver of more or observed reduct.
  From Contract and Large.
- 10) The employ anglitude is one poor a distributed by the condition what of

- All the included verse backing their Proceeding ridge.
- 2017 The effect at a point has to exceptionist time deposits on the discuss of the point from the store.



## 14 Bell probed grows

Transfer a point notice of of more able counts highly which is not a cofficiently important over that the differential projectors, we have recentled the facilitation of wholes a distinguishment of the day about  $(\Sigma_{k+1}, \omega_k)$ . We wonk to that the more have equally the  $d_k$  of about points of  $d_k$  on the inequalities further fine toponed point of the dataform reservations (X, E, A) to be bringly (X, E, A) for point F on, the reservate is about the top (A, A) is consistent or (X, E, A) or (A, A).



Let ARTI hat place considere geomethicate in the place of the people of the immediates that of versioning it is true from properly to early fair file. [Let I is when in Earl the effect of ET is considere every place on the event and place because the special of districtions and the set when one is fixed that is districted in the effect of the effect

is not although plane. By a perpendicular draw that  $P \approx 0$  and for P > 0. It frames such as, the experience is distributed to in a marrier of separater half partial artists about all of Primarily married.



DULLA

In other to find the combined when it is the P in course and wall  $MM = 0.9 \pm 0.5$   $MM = 0.9 \pm 0.5$   $MM = 0.8 \pm 0.0$   $MM = 0.0 \pm 0.0$  MM = 0.00 MM

The median street at the point II due to the whole recombine will depend on the following

- (3) Airs of the reals over Sigher decrease, power off the population of the prior O.

  (2) The distance of the point O from the course, most the distance, before off, in
- amplitude or the point of /pli The abligative better this couplinate deposits on the pagin which the remarkant point tender with the corporative notes. The resident amplitude or the point if off he reput to the term of amplitudes from the half-sident many. Here was exactly notes were remarkant.

## Area of Male Period Pring

The pulses of the first bull period com-

$$\sqrt{b + \frac{b}{2}} = 0$$

$$\sqrt{b^2 + \frac{b^2}{a} + bb - b^2} = \sqrt{bb}$$

The selber of the second half pre-ind one

tradials, reduced by 1885 had people over PM = 1000

Service St. St. and Service and Advantage of Services

Thus, we find that he the same it and it, the tentil of the helf period more are proportional to

$$E - PM_{\pi}^2 = \pi \delta$$

Production Statistics, area of this last period has

Thus, we had that the error of each half-period uses it apprecisated, sund staff is teleproduct. of the write of the issue. More provideds. If the approximation is not people, it to found that there is alight thermore to make with the polar is, however, for all practical proposes, arms must be taken as mad. No ere of hit petal case to limity proportional to 4 obtains of the point of that the enveloped and a One-shouth of failed

## Plate are said PM-paint Faithful

With the interest in the order of the half parted team, the territories made by each sustainties sets tell review to horses siredy, for repelarly their tempolog discovered different between Let u. m., in., ..., m. ....m. represent the propletation at the point IV due to the first, second, both..... is - att. and att. hall period come, respectively. As allows in Eq. (2) and the discrement previous bloom, i. to depth power from a re, first a..... by ... thereon. That is, the posterior \$1, to \$1, ... are of test transactive fundamental professional than the singlettade of they down took for ballett. to the pridemate many furnisher the promotion and conveniting many. Then, is a class. District State of the last





Redstrice Phonon of the Worse State the Daniel

Deal Name the American of the half spirit report from the inter II and Allicano the important region. telephoning their freezonates till starit ill in different chaire.

Let us take the place of the streeting stacking it from F to be more. The consisting it from a still parties after the train Ells than those form F as the pack tild, in busine to inch compared to the path FO. The difference in place. However, in waveler course iven Final a, is a reciper, The above. of the considerations in a required materials have seen It seed a will now become to a Material for courage

The phase difference between execution bear a, and a, will again be a so that differ in such to a to Please the please difference between the reporter, enabling If from F and a, will be be reduce. So the phase of the remains from the second half period does not next humans it and on Those the

accurage private of translate from the national healt portrol order is

This shows that the counties from the second Authoritist year and the just it is account. plana remains also show the other ball now

Blackedy to come our date the margin place of the persons from the fitted half period tract in

$$\frac{3\pi}{3}\left(-\frac{2\pi+3\pi}{3}\right)$$

difference deligners the manufacts from their time communities instead in it markets. To other models exercising from the automorphisms was followed their appearst plane.

The motitant amplitude at Oder to viside provident in pions his

to the brook! - Proposed

Pin san-alon per this stieres representes ex-

41

$$\frac{m_1}{2} + \left(\frac{m_1}{2} - m_2 + \frac{m_1}{2}\right) + \left(\frac{m_1}{2} - m_2 + \frac{m_1}{2}\right) + \frac{m_2}{2} \dots$$

The regression with relientation and mind courts. Therefore,

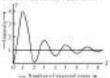
Finally, who gate large and so the effect Set to the co-- gife or this con-company to the tight same in short configulate in amount of the distance and obtained before Triumban the employee confirmation to this to the soft-in-commission produce to:

Thus, the market condition that is the extremental transfer a new half of the which will be assumed by the first half period area above.

bosonic principle is proportional to the appear of the longitude.

Thus, do impate or 0 the to the eather residual to one haste of that the to the Box to select manners.

We find that only first had pured more a effective in producing the filterization in 0. I have there is no matter of instance of the product of the product



A count obstacle of the size of the first half per test mass as the operation are effectively black for action receivery. Taking h = branc A and h = (b) one, the next of the first half partial conversation in the size (a, b, c) of the (a, b) of the (a, b

stars in colord versus, the versidenate was the grown into or million times than the or light and based the case of the first field patiel town for a place, version at all event for the party from any the aftering to a copial secretary, and strately of every leage sites, about a suffern time frage than the far light. In required filmon, to an obtained of ordinary law, could wrom the or agree at treed in a related law, if the sure of the observed about the party dispersion party and a treed in a related law, if the sure of the observed filmoniation is the require and the party and about the contribution of fairs, then it a journity or of the contribution in the require of the participation of the contribution is proportionally to the contribution of the con

#### Torontale in a

Light of grown I is involved to a rootic factor of earliers (V) a root and (10) is men. Here yearly half period arrays are communical to this stock. If the conspects planed on a distinguish of a set to observe the allimentary.

### Scholan.

#### Deposed- 3-3

- Therefore Attaching and sense

Digit of Store A is insulted up a standard balanted for material to a strice grown array. What is the necker, of the help of the Januarite of high on the towns to four these the restorate when high to translate a clinical field below.

### Solution

The invaries of the heap in that there is the passes of the bills that is to chance I the refers of the balls a species that of the first bull period come.

Referent the first half period come = 
$$\sqrt{6.2}$$
.  
Then  $d = poors, b = time  $b = d$  is  $n = m$  and  $-2m$  in the first  $-2m$  in  $-2m$  and  $-2m$  in  $-$$ 

#### A.Linerylei

of most plate to a specially incommented springly better which obtains the hight from every effections are all to an interesting enough of difficulties which late previous experimental widelings of the Television idea of the transfer of a securities to be large than exact in the large to the fact that because the light covers from enoughes areas used. If it is opposite plates including the instance, the

combine to obtain a high Discipline of the destroying the light from promote cross for the sec. of the receiver code of the place mixing additionance: We have seek the the inclinar amplitude at 6.0 or given by

To construct one place  $Q(x_1, y_2) \in L(x)$  there is a transported and the point wave inergraph on that the small pull anglet of  $x \in X$  is given by  $||x|^2 \leq |x|^2 \leq |x|^2 \leq |x|^2$ 

has regarded done plots (\$10, \$10, \$10, \$100 minut are transported and the solid transport objects or that the months of regarded is alread in:







GO Periodic being plate.

SERVICE TOWARD

$$\phi_{ij} = \sqrt{n}, q = \sqrt{1}, q = \sqrt{2}, q = \sqrt{2}, ... \rangle$$
 and the convertence of the second

Exactly after Terrorism a sure plate, they makes a manifest tests are deep on a visit meditated with all of the sadesh testing proportional to the squares sure of the most feature. They be the communication of a positive perspective, the still produced, some Sec., no. 20, 20, 30, ..., pre-particular still these of exactly places pages to still produced aspects, the still produced aspects of th

For the maximum, of the imports some place, the stars mediured aroun (i.e., mol., att. min., or as pained black. The star of the protective maximum line some. For the con-maximum toward one management and the soft maximum international content on the source of the light intelligent (label.)

Thus, a unia place is a quantily constrained across with observes transporter and quaga-



This P at motion imagine the pions 28 to be \$150 th interested at most rath and rapid in PA, PA, Authorities.

$$SP + PO + \frac{\lambda}{2}$$
  
 $SP + PO + \frac{\lambda}{2}$   
 $SP + PO + \frac{2}{2}$ 

D+10+4-1

All, right - 4 - 100.

To lose IP 1 and PD 1 the size, it is the about the charte from the

Using binomial expression and trajlering terms higher than  $\frac{P_{\phi}^{(i)}}{2}$  on  $\phi$ 

true constituents of the second 
$$\frac{g+\frac{1}{2}\frac{e^2}{g}}{gM_{\odot}} = \frac{g+\frac{1}{2}\frac{e^2}{g}}{g+\frac{1}{2}\frac{e^2}{g}}$$

$$\frac{gM_{\odot}}{gM_{\odot}} = \sqrt{\frac{g(G^2+fM_{\odot}^2)}{g+\frac{1}{2}\frac{e^2}{g}}} = \sqrt{\frac{g^2+e^2}{g}}$$

$$\frac{g+\frac{1}{2}\frac{e^2}{g}}{g+\frac{1}{2}\frac{e^2}{g}}$$

Assessment for extract of RW and a Clin Sa. Cold., or per-

$$a + \frac{\xi^2}{2a} + b + \frac{\xi^2}{3b}, a + b + \frac{a}{3}$$

$$= \frac{\xi^2 \left(\frac{1}{a} + \frac{1}{b}\right)}{a + b}, \text{ and } a = \frac{\xi^2}{a + b}$$

$$= \frac{\xi^2}{a} + \frac{\delta \delta \left(\frac{a\delta}{a + b}\right)}{a + b}.$$

From the a print approximate the space it hand it are presented in factor to the Control

$$r_{\alpha} = \sqrt{\pi}$$

I a site right of soon per proportional to floregamy roots of returned solutions

In some of the efficiency 
$$\mathbf{w} \left[ \frac{a\lambda_{i}ab}{a^{i}a^{i}} - \left( \frac{(a - 1)\lambda_{i}ab}{ab} \right) \right]$$

server for a given or, It shall b. For the obstances of the color from F and the obliquity increases so the selections was also the page talk of a demand with the other of the tone. Therefore, its Lipsoffice principless, the transfered antigliteda at this

gual than his of pages or possible to be

robinds to more farmer from the robust tipe from all the second a different to mark of Those as more intelligent integra of it's obtained at it! This explains the treasing action of a miss plans. These The Justilian of a serie point to stroller in the of a consety charactering lines. Ely Taxall ramates by continuous

$$\frac{1}{a} + \frac{1}{b} \cdot \frac{ab}{c^2}$$

This is a soliton to the hard instead

$$\frac{1}{y} + \frac{1}{y} - \frac{1}{f}$$

with a seal is being the object and image different engine body. There are in \$1.00 to \$1.00 to \$1.00 to

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$$=(\mu-1)\left(\frac{1}{\mu}-\frac{1}{\mu}\right)$$

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principal limitingship

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that the west of such half person story off for Lie year blind of the original tree. Helpin, and seen in the tent place toll vertex; they are a classers for the burge of IT. Home, the tendinal implicate or 17 in-

$$\begin{split} & \left[ a_{1} - \left( \frac{a_{1} + a_{2}}{2} \right) + a_{1} \right] + \left[ a_{1} - \left( \frac{a_{2} - a_{2}}{2} \right) + a_{2} \right] + \\ & \left[ a_{1} - \left( \frac{a_{2} + a_{2}}{2} \right) + a_{2} \right] + \left[ a_{2} - \left( \frac{a_{2} - a_{2}}{2} \right) + a_{2} \right] + \\ & \frac{1}{2} \left( a_{2} + a_{3} \right) + a_{3} \right] + \end{split}$$

Then, U hill be collinged being allowed laws then the at 1 and 4 parameters and doted point and in Margana Bress, P is the second facial Edgeth given by

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125 x 50 x 18" = 5.54 x 10" cm = 0.0555 ms

progress to

 $f_i = \frac{1}{4\lambda}$ ,  $f_i = \frac{1}{3a\lambda}$ ,  $f_i = \frac{1}{3a\lambda}$ , ... we the comp tool point of a one plate.

## Comparison: Your Plats on Commis Lond.

## Budseller.

(c) Bulls our glots and warran law Seas, our trouger of an illustrat for the other risk of the others and the distances of obself and image are commoned by Modes relations.

15 Front Books in both the same depends upon recolought of light it and, direction both softs bost discreasin abstraction.

## (whereaver

(4) Extraction is a physical passane, which the highs incharges in some of a last which hade confusions differential in year of a page plate.

(ii) bougo frequel by a rearran later is brighter than that the in a nine plane

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100 K-communities of a conferent density for a group constraint of light which a non-

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#### Salation

Here, 
$$q = \lambda_1 \cos \lambda = \lim_{n \to \infty} \lambda = \lim_{n \to \infty} \lambda = \lim_{n \to \infty} \sin \alpha$$
  
or black  $\alpha_i = \partial \lambda$   
 $\frac{r_{ij}^2}{\lambda}$   
so the true parameter  $\lambda$ 

## Discounds 5.4

With a cone pites, he a pulpi current of light of 6000 Å or the unit. So brightness and the enumal some bright transport or 6000 of a microsoft on respectively from the transplane. Bill the beautiness on the series and no the order of the forces. Collection

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And the digrammer of the invited from the enterplan 121 the realises of the liter power and

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## Address

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$$\frac{1}{4} + \frac{1}{k} \cdot \frac{(2s-1)k}{k'}$$

chart of the following the relation part of the

(ii) For the brightest image p is made it is good

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$$\frac{1}{4} + \frac{1}{6} - \frac{3a\lambda}{\sqrt{1}}$$

Stricking SONs Of our gar-

(III Foxestia the radius of the first trees, i.e. a trained by

$$\frac{1}{60} \times \frac{10a}{30 + a}$$

$$60 \times 00^{\circ} \times \left(\frac{30 \times 30}{30 + 30}\right)$$

$$\frac{6 \times 500}{50} \times 30^{\circ} \times 9.3 \times 30^{-6} \text{ms}$$

$$47.7 \times 10.00 \times 1000 \text{ms}$$

to Photopal had length, 
$$\frac{F_{\rm c} \approx \frac{d\theta}{d+h}}{\frac{30\times30}{30+4a}\approx \frac{900}{ch}\approx 13\cdot cs}$$

## December 1.4

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#### Solution.

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$$\frac{1}{a} + \frac{1}{b} = \frac{1}{f_g} + f_g = \frac{c_g^2}{Q_g - Q_g h}$$
.

 $1,\ f_{\mu}=f_{1}=$ 

to the control costs, 6 + 1

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$$\frac{1}{-}, \frac{1}{0}, \frac{1}{90}$$

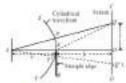
All to a Law you, Brail

$$\frac{1}{3} \cdot \frac{1}{38} \cdot \frac{1}{147} \cdot \frac{1}{38} = \frac{1}{134}$$

$$\frac{1}{3} \cdot \frac{1}{38} \cdot \frac{1}{147} \cdot \frac{3-2}{294} = \frac{1}{294}$$

### 2.5.Tressel difference in a stesight edge

Let 6 be a close and model which class coupon detects of the state of a near feature of New conserver contemples of both penalty in each often and propositionine to the place of the pages Eds, and Let 6 be to be illustrated by a monotoneous conserved light of constraint, NY of the included collection of contemporary by a period on the mosts propositioning to the place of super real and the prompting in propositioning to the conserved penalty in the place of super real propositioning dealers of the dampit. We want to understand the destination of light transpire on the conserved.



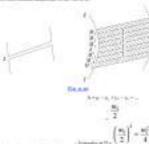
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- (i) Balor O the immery left methoded and rightly as to more left the posterioral dealers and other where the arts is complete durinous in other tracks, their course a cityle illustration in geometrical dealers which decisions regular below complete belows.
- (2) Not vision II, also not destinate begin besset of magnet which and surpling tentrals; persons or sample pigs on married. We have become itself out the Antiger on the more weap front of earl alternative on per 4 region of uniform. Historication.

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Interestly Variation Looks the Demonstrial Madern As done to far his motion obtained unition at the unitgle algo. For the point O on the series, the pole of the toroidon is is A and A is stated that a position of the constitution is expected in the tile distributions as A is the case that A is stated in the state A is the case that A is stated in the case of the constitution of the case of the case A is the stated in the A is the case of the case



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$$\frac{A_0}{2}$$

$$\frac{(-n_0)^2}{2} \times \frac{n^2}{4}$$

$$\lim_{n \to \infty} a_n V_n = \frac{n^2}{4}$$

which is between mades than taken if

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4 f. Sine n. v., . . Standing in the part of conducting more profit for promoting charge, in naturally of the light falls of equily pull was destroided to see.

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displacement for this point is equal to "" being the displacement the to the agent regional part of the constraint. Similarly, for a point bestery up, often EQ constant to a full."

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$$\left(\frac{\kappa_{i}}{2}\right)^{i}$$
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this beauty times of experts to was light for room to pr

$$\theta = \frac{1}{2} \frac{x^2}{\theta}$$
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$$\begin{aligned} & \{a+b\beta'\} \\ & a+b+\frac{1}{2} \cdot \frac{a^2}{4a+bb} - a \\ & \beta+\frac{b^2}{2a+bb} \cdot \frac{a^2}{2a+bb} - a \\ & -\frac{b+\frac{b^2}{2a+bb}}{2a+bb} \cdot \frac{a^2}{2a+bb} \\ & -Patholium and A^2 - PQ = \left\{b+\frac{b^2}{2b}\right\} - \left\{0+\frac{b^2}{2a+bb}\right\} \\ & \frac{b^2}{2} \left\{\frac{1}{b-a+b}\right\} = \frac{a^2}{2b(a+bb)} \end{aligned}$$

For a resistance of Q (for part) definesses must be upon to up with an  $m_{\rm QD-eff} = 2$  . Then for the state of the part of  $m_{\rm QD-eff} = 2$ 

$$\frac{dP^2}{2R(a+b)} = \frac{1}{2} \frac{h}{2}$$

$$= \sqrt{\frac{N(a+b)}{2R(a+b)}} \frac{1}{2} \frac{1}{2}$$

For a minimum in (), the path different should be again to see to see to make unsimple of  $^{\rm 2}$  Thus.

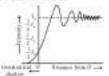
$$\frac{\alpha t^2}{20(\alpha + 6)} = 2\alpha \cdot \frac{\lambda}{2}$$
to define to

$$Z_{ij} = \sqrt{\frac{2N(g+f)n/h}{\sigma}}$$
 or leading of this basis

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## Example a.C

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## Liston.

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 ,  $6 \cos h$  ,  $6 \cos$ 

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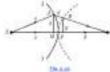
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$$\frac{JW^{2}}{2R^{2}} = \frac{E^{2}}{2a}, \text{ and }$$

$$\frac{AV^{2}}{R^{2}} = \frac{E^{2}}{2b},$$

$$\frac{AV^{2}}{R^{2}} = \frac{E^{2}}{2b},$$

$$\frac{E^{2}}{2a} + \frac{E^{2}}{2a}, \frac{A^{2}(a+b)}{2ab},$$

$$Corellations (A) = \frac{E^{2}}{2ab} + \frac{E^{2}}{2ab}$$

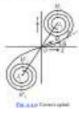
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DEAG DECISION

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## Properties of Corne's Haired

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$$\frac{df}{dt} + \frac{df}{dr} + \frac{dh}{ds} = \frac{\sin\left(\frac{dr^2}{2}\right)H}{\cos\left(\frac{dr^2}{2}\right)H} + \tan\left(\frac{dr}{2}\right)$$

142.27

related to the delication

Note that there is no convening product to content the relation (CE). The distribute hormonic tree weightweeting profess  $C_{ij}$  and  $(r_i + d_i) \in \{d_i\}$  of a present  $(r_i + d_i)$ .

Interesting by 11/27, respe-

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Marks. We seemed the reflect of commercial the splint on the considered principles.

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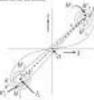
(ii) It can be used that for the whole of a set the state and to  $L = \sqrt{L}$ ,  $\sqrt{L} = \frac{1}{L} \frac{1}{L}$ 

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## Applications of Corner's Special

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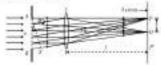
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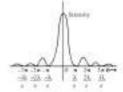


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$$d' = A_0^2 \frac{\sin^2 u}{u^2} = I_0 \cdot \left( \frac{\sin u}{-u} \right)^2$$

$$= \int_{-1/2}^{1/2} \left( \sin u \right)^2$$

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where  $n \in A_1(\mathbb{R}, \frac{1}{2})$  , given the distortion of their respect, third, is often substant, it is important to extend the  $n \in \mathbb{N}$  to the extendible the  $B_{n}$ ,  $A_{n}(\mathbb{R}, \frac{1}{2})$  as it gives  $B \in \mathbb{R}$  which represents to the substant  $A_{n}(\mathbb{R}, \frac{1}{2})$ .

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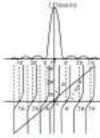
$$I_0 \left( \frac{n}{n} \right)^2 = 0$$

(40) Secretary Mixture In soliting to the control seminous for 0 = 0, then on sensingly matrix of Assenting Instally between the printing To Assenting the posterior of the percentage matrix, by an differentiate D<sub>a</sub>, 12,27 v/C<sub>3</sub> reports a rank against the same 1 or.

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This apparatus not be strong positionally by questing the victors line  $g_{ij}$ : a sund  $g_{ij}$  and the property of the form of apparatus  $g_{ij}$  and  $g_{ij}$  are strongly all the victors of  $g_{ij}$  and  $g_{ij}$  are the confidence of the resultance. As there is  $(g_{ij}, g_{ij}, g_{ij})$  and to employ the models as simply of  $g_{ij}$  with the reason of  $g_{ij}$  is term a a distantaneous scores of left into conduct of the models of the confidence of the co

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$$a, \frac{3a}{2}, \frac{5a}{2}, \frac{7a}{3}, \dots$$

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$$J_{\alpha} \frac{\sin^2 \alpha}{4t^2} = I_{\alpha}$$

CO for the filter severalises structures

$$\label{eq:local_equation} \begin{split} \xi_0 \left[ \frac{\sin \frac{2n}{3}}{\frac{3n}{2}} \right]^2 &= \xi_0 \left[ -\frac{1}{\frac{5n}{3}} \right]^2 = \frac{4}{8n^2} \, \xi_1 = \frac{\xi_2}{22} \\ &\approx \frac{2n}{3} \end{split}$$

COSTO CONTRACTOR SECURIORS

$$J_{0}\left[\frac{\sin\frac{5\pi}{2}}{\frac{5\pi}{2}}\right] = J_{0}\left[\frac{1}{\frac{5\pi}{2}}\right] = \frac{4J_{0}}{25\pi^{2}} = \frac{J_{0}}{60}$$

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Thus, the intensities of economic decrease regally and if the intensity of econol interiories is taken

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#### Exemple 6.9

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$$\frac{L}{a} = \frac{5890 \times 10^{-17} \text{kg}}{0.25 \times 10^{-16} \text{kg}} \approx 0.02259$$

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$$\mathbf{n} \cdot \mathbf{0} = \frac{\lambda}{\omega} = \frac{2.4 \times 10^{-2}}{4.0 \times 10^{-2}} = 0.7$$

This illustrates would be easied incorporation to be for an affine label of the out of parties.

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$$\frac{1}{a} = \frac{6.0 \times 10^{-3}}{12 \times 10^{-3}} = 0.4 = 30$$

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## Example 5.14

d arrays. In placed to an even from the hast to determ for little accompanies in the field place of the loss in a stopp diff difference respectives. Find the site width if the first monitor loss is one or obtained to determine the common accommon, when place right somes of arealizing to prove data includes on the site.

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$$\begin{array}{c} \lim_{t\to\infty} \sup_{t\to\infty} \sup_{t\to\infty} \sup_{t\to\infty} \\ \left[ \sup_{t\to\infty} \inf_{t\to\infty} \frac{x^2}{x^2} \right] \\ \left[ \lim_{t\to\infty} \inf_{t\to\infty} \frac{x^2}{x^2} + 2.5 \times 10^{-3} \right] \\ = \frac{x^2}{x^2} \\ = \frac{x^2}{x^2} + 2.5 \times 10^{-3} \\ = \frac{x^2}{x^2}$$

#### Capacale 3.36

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$$s_1 = \frac{5}{2} \frac{Dk_1}{Dk_2}$$
 and  $s_2 = \frac{5}{2} \frac{Dk_2}{Dk_2}$ 

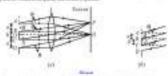
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$$r_1 - s_1 = \frac{121}{3\pi} \mu_{\pi} - r_{\pi} t = \frac{1212 \times 4 \times 10^{-10}}{2 \times 10^{12}} = 9 \times 10^{-1} \text{m}$$

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$$A_i \frac{\sin \alpha}{\alpha}$$

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$$w = \pm \frac{34}{3}, \pm \frac{24}{3}, ..., \pm (34 + 0)\frac{4}{3}$$

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Francisco Santonio de Maria Santo

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$$\int_{0}^{\infty} -(\mu + h) \sin \theta = \pm (2n + 1) \cdot \frac{\pi}{2}$$

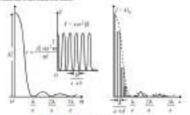
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$$\frac{\lambda}{x + h}$$
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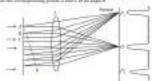
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$$A_{s} = \frac{\sin(a)}{a}, \quad a = \frac{\sin(a)}{b} = \frac{2a}{b}(a + b)\sin(ab)$$

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$$B^2 = \mathcal{A}_0^2 \frac{\sin^2 \alpha}{\pi^2} \cdot \frac{\sin^2 N\beta}{\sin^2 \beta}$$

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$$1.7 = 40 \frac{\sin^2 \alpha}{4r^2}$$
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$$T_{i} f = A_{i}^{i} \frac{100^{2} M}{\alpha^{2}} \text{ erg}^{2} B$$

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$$2N \sin N \beta \cos N \beta \cdot \frac{1}{\sin^2 \beta} - \sin^2 N \beta \left( \frac{\cos \beta}{\sin^2 \beta} \right)$$

Exercise this to seen, we get

Note the section 
$$A(\mathbf{x} - \frac{1}{\cos^2\beta} - 2\cos^2\beta\beta) \left[ \frac{1}{\sin^2\beta} \cos\beta \right]$$

$$\frac{2 \sin^2 N \beta}{\sin^2 \beta} (V \cot N \beta - \cot \beta) = 0$$

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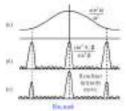
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 $N \cot Nb - \cot b = 0$ the mediator

$$\begin{array}{c} \frac{3\alpha^{2}N\beta}{8\alpha^{2}\beta} \\ \frac{1}{4\cos^{2}N\beta} \frac{1}{\sin^{2}\beta} - \frac{1}{1 + \sin^{2}N\beta} \frac{1}{\sin^{2}\beta} \\ \frac{\beta^{2}}{N^{2} + N^{2}\cos^{2}N\beta} \frac{1}{\sin^{2}\beta} \\ \frac{N^{2}}{N^{2} + \cot^{2}\beta} \frac{1}{4\sin^{2}\beta} \frac{1}{\sin^{2}\beta} \\ \frac{N^{2}}{N^{2} + \cot^{2}\beta} \frac{1}{\sin^{2}\beta} = \frac{1}{\sin^{2}\beta} \end{array}$$

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## Annahmen spectra

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$$\frac{2\lambda}{\lambda} < 2$$

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## p. op combagging of spectral lines in a grating

Pilos de ligit indites en a puintg comito of anny verifençilis, lites le nimeriman vide des puintg sub-tu-f displic puis a gentana lier (a lit d'instanc E al a limine - molécuph and al lights ethic ages comba milit a questral lier de d'Impre ser dispuls de l'impres entre.

Regions, the output of Minstein N to the same the  $f_i(t)$  for that the point position of the same  $f_i(t)$  is a small point of the same  $f_i(t)$  and the same  $f_i(t)$  and  $f_i(t)$  are positive to the same  $f_i(t)$  and  $f_i(t)$  are  $f_i(t)$  and  $f_i(t)$  are same  $f_i(t)$  and  $f_i(t)$  and  $f_i(t)$  and  $f_i(t)$  are  $f_i(t)$  and  $f_i(t)$  and  $f_i(t)$  and  $f_i(t)$  and  $f_i(t)$  are  $f_i(t)$  and  $f_i(t)$  and  $f_i(t)$  are the  $f_i(t)$  and  $f_i(t)$  are the  $f_i(t)$  and  $f_i(t)$  are described by an element of the same are same in  $f_i(t)$  and  $f_i(t)$  are always and the  $f_i(t)$  are always and the  $f_i(t)$  are always as  $f_i(t)$  and  $f_i(t)$  are always as  $f_i(t)$ .

In the statist region of generate (year we time d), before, or contagging of spaced lines, also place. The diffusioning asple for the said and of the question in the line state is loss; thus, thus, the diffusioning asple for the whole relative of the spacetime of the aspend order. However, if a planning-place place is used the other-times the approxime is annulad done over the school-line region. Thus, the time using annual line corresponds to rectalingly more A reculops with the actual order question line of war-knowledge correct. The consinging of the special line can be reliable by stating matrices flow or the place and the configuration of the special line can be reliabled by stating matrices flow or the special content of the content of the special class can.

## to a diagnostry grown of gooding

The dispersion prices of a proting to defend as the shings in the explicit differential asymptotics in a part observation of the shift well destructed in partial size, the auditors for the factor of the continuous of the factor of the

for dusign (x) reveloping. If the envelopin distance that  $x \in (x, x)$  and the consumpting different people dusign than it is (x - y), thus the disparate power of the grading is given in

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474 Different lating the abottom with efficiency to it, in set

where M+M is the matter of large per on length of the posting. From Eq. (4.44), it is regard that

- 13 The deposits proved it density properties; in the rate is of the games in the larger through factor in the Deposits prove.
  - . On the Majoritha power is invested, proportional to the printing sounds in + 81:
  - in make the still mount, more side untally to species.
  - (1) The dispersion power is introduced properties are continued from the residence of the craft of and higher for the dispersion proving the confirmation of the continued and dispersion in dispersion to the continued and an extension in dispersion properties all the continued and are dispersion in dispersion to the continued and are dispersion in dispersion in dispersion in the continued and are dispersion in dispersion in dispersion in the continued and are dispersion.

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$$\frac{\partial}{\partial x} = f \frac{\partial \theta}{\partial x} = \frac{hf}{4a + 10 \cos \theta}$$

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san(ASF

## Bildian.

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## Department of the

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## Solution

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$$\frac{1}{K} = \frac{1}{5000} \text{cm}$$

The Searce State of Seat Co.

## Exemple 3.1

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## Solution

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### Solution

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$$\frac{k_0 + K \sin \theta}{k_0} \quad \text{and} \quad k_0 + k_0 = k_0 + k_0 \sin \theta$$

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$$\begin{cases} \frac{1}{\lambda_{ij}} - \frac{1}{\lambda_{ij}} \Big| |\omega + \delta| \sin \theta \\ & = \frac{\lambda_{ij} \lambda_{ij}}{\lambda_{ij}} - \frac{1}{\lambda_{ij}} \\ & = \frac{\lambda_{ij} \lambda_{ij}}{\lambda_{ij}} - \frac{1}{\lambda_{ij}} \cdot \frac{1}{\sin \theta} \\ & = \frac{\lambda_{ij} \lambda_{ij}}{\lambda_{ij}} - \frac{1}{\lambda_{ij}} \cdot \frac{1}{\sin \theta} \\ & = \frac{\lambda_{ij} \lambda_{ij}}{\lambda_{ij}} - \frac{\lambda_{ij} \lambda_{ij}}{\lambda_{ij}} - \frac{\lambda_{ij} \lambda_{ij}}{\lambda_{ij}} - \frac{\lambda_{ij} \lambda_{ij}}{\lambda_{ij}} \\ & = \frac{\lambda_{ij} \lambda_{ij}}{\lambda_{ij}} - \frac{\lambda_{ij} \lambda_{ij}}{\lambda$$

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### Example p. or.

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## Selection

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$$\frac{\frac{j_0 + j_0}{\lambda}}{1000 \text{ said } \lambda = 0000 \times 10^{-2} \text{cm} = 8.0 \times 10^{-2} \text{c}}$$

$$\frac{1}{8000} \text{ said } \lambda = 6000 \times 10^{-2} \text{cm} = 8.0 \times 10^{-2} \text{c}$$

$$\frac{1}{8000 \times 10^{-2} \text{ kg s}} = 3.35 \pm 3$$

Thus, the got or the in the highest solve that one has disserted the Condition for the order was in this ring in

$$\frac{a+b}{a} \cdot \frac{a}{a} \Rightarrow \frac{a}{a} \cdot 1 + \frac{b}{a}$$
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## Exemply ican

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## Solution-

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$$\frac{1}{\pi} \frac{\lambda}{d\lambda} + \frac{1}{2} \frac{6060 \times 10^{-6}}{0.5 \times 10^{-6}} = 3000$$

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$$6063 \times \frac{e\lambda}{\sin \theta}$$
  
 $8063 \times 2 \times 6063 \times 10^{-1}$   
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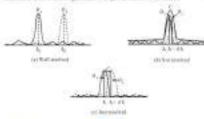


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$$4\lambda + \frac{\lambda}{2}$$

Squaring Equ. to 69 hand the test inchess.

$$\begin{array}{c} ak + \frac{\lambda}{N} \\ & \\ m \text{ ad } - \frac{\lambda}{M} \end{array}$$

ter, resolving province

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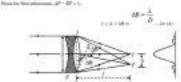
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$$\Delta \theta = \frac{\lambda}{D}$$

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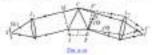
#### 5. Physiology power of a girton

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## All places for conditional content of posters

Fig. 12. A  $K^{*}$  is action of a piece or which is made I may of that consection were integral and i = i to i to i and i = i in i = i to i =

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Thus, the resulting present the prince and be reliabled to distilling the allow equation by 21, at.

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The quantity A<sup>(k)</sup> gives the observation dispersion of the best-old of the price, and it can be interested from Control or control.

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$$\frac{dk}{dk} = \frac{28}{k^2}$$

$$\frac{k}{dk} = \frac{dk}{k^2} = \frac{-24k}{k^2}$$

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tabula di managiti in francisco

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- pic Discous Pranations Differenties of light as a Analisi elli and skinte tile conditions to differential and interferent species and energy.
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# Polarization of Light

#### 2 s ENTRODUCTION

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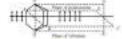
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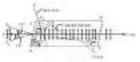
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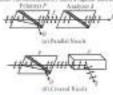
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$$\begin{aligned} P_{\text{enter}} &= 1 \cdot \text{dead} \cdot \text{mode} + 2 \cdot 2 \\ &= C_{\text{enter}} &= 1 \cdot \text{dead} \cdot \text{mod} - 1 \\ &= C_{\text{enter}} &= 1 \cdot \text{dead} \cdot \text{mod} - 1 \cdot 1 \cdot \text{dead} \cdot 1 \\ &= 1 \cdot \text{dead} \cdot 1 \cdot 1 \cdot 1 \cdot 1 \cdot \text{dead} \cdot 1 \\ &= 1 \cdot \text{dead} \cdot 1 \cdot 1 \cdot 1 \cdot \text{dead} \cdot 1 \\ &= 1 \cdot \text{dead} \cdot 1 \cdot 1 \cdot \text{dead} \cdot 1 \cdot \text{dead} \cdot 1 \\ &= 1 \cdot \text{dead} \cdot 1 \cdot \text{dead} \cdot 1 \cdot \text{dead} \cdot 1 \cdot \text{dead} \cdot 1 \\ &= 1 \cdot \text{dead} \cdot 1 \\ &= 1 \cdot \text{dead} \cdot 1$$

$$= \frac{\frac{J}{a}}{a} \cdot \frac{J}{b} \cos b + \sqrt{1 - \frac{J^2}{b^2}} \cdot \cos b$$

$$= \frac{2 - J}{a} \cos b \cdot \sqrt{1 - \frac{J^2}{b^2}} \cdot \sin b$$

Special oil terringing requi

$$\frac{g^2}{g^2} + \frac{g^2}{g^2} - \frac{2gg}{gh} \cos \delta$$

This is the greated reportion of all part of the respire and printer man berlined in the conditions

#### Special reserv

6 Cinese Polarescope: When him exchanges to make a particular

state a word out to a francism. By Ing Supramo-

$$\frac{x_1^2 + y_2^2 - 2x_2}{x_2^2 + y_2^2 - 2x_2^2}$$
 $\frac{(x_1 - x_2^2)^2}{x_2^2 + (x_2 - x_2^2)^2}$ 
 $\frac{x_1^2 + x_2^2}{x_2^2 + (x_2 - x_2^2)^2}$ 

 $\nu$  for the assumption of a strength flow passing through the origin and factory  $\nu$ 

stage ( # ) This inclines that the encounter failt is formally or place activated

#### Decker

Predict in the Decime Development of the August Steel

$$\frac{x^2}{a^2}, \frac{y^3}{h^2}, \frac{2ny}{ah}, \dots$$

$$\left(\frac{x}{a}, \frac{y}{h}\right)^3, \dots$$

$$\frac{\partial}{\partial x}$$

which is also the equation of a complet the bat with a single of the late of the complete of t

prisoned for the financial of vibration nation to angle  $\frac{1}{2}$  . We find that the transfer light (Fig. 5 or left)

Elligibud Polarization. Flore for deblasse of the plant is such tips the plane.
 Ellipsian bertrags the true species.

market, sind a national enant of block? all other his had reference

which is for equivalent of on ellipse. Then, for executed light is ellipsetately policitied, the plant of the ellipse being mercal to the direction of programs (Equ., 12) (1) and 1/2).

$$\frac{a^{\dagger}}{a^{\dagger}} + \frac{b^{\dagger}}{h^{\dagger}} - \sqrt{2} \frac{ay}{ah} = \frac{1}{2}$$

a first is again an equation of adapts, but olds many only inclined in the particle and appelled financies of the case comparishly for a year and yet particle that is the case of the particle for the emergent light is effectedly pointing.

4 Oroda Palaturior Visa to tistimo d'ingine o sell tar le pion diferent lamas forme total.

$$\frac{\pi}{2}, \frac{3\pi}{3}, \dots$$
  $(2n-3)\frac{\pi}{2}(n+1, 2, 3, \dots)$ 

and the option has a set that by the first property

which is the reported of a sinch with mallion at Thes, the corresponding to its conducts partners of Table 2 and 1.





DECK

In present, the constitute of two planes polarized lights as an orbitalistic polarized polarized constitution, an exclusion, because the recention fight to give an orbitalistic solutional. Then, the planes polarized light, and consolute polarized lights are the special costs of ellipsically polarized light, Far 6x 1 4 x 5, the polarized of the feature area in a risk time in the described of propagations in the order cases or the monitors of rights builded covers. In principle of the described of propagations in the order cases or the monitors of regions to describe the control of the control of the control of the control of regions to the control of d.c. or, the constitution of reference remote approach the forms and the light is sold to the clark behalf all districtly conformed.

#### LINETARTIS AND BALLWAYS PLATES

The phase difference incrediesed become from and to are an energing out there is executively upon the filterance of the street. If the furthers of the plane of grants about their of energial phase difference on the furthershall become the co-composition. Body as given to train on which will be provided to executive of one of the part. We discuss have two each write destination of one of the part. We discuss have two each

is Queen-Name Hotel I'm a soluted shadly reflecting regard able to a solution of the Dispress of a solution for the Dispress of a partial in-the

What a fount of prime to be fined to confirm the light of revolving to it is better to reside you seek a critical. It plant up that if and if measurement, what revolve the measurement part of the life part value for the light of the light

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An experience place path followers between the true intercements

he points more. He west, a + a, in that

If a phose potential, fully with Helmotor national or we engin of \$27 to the earth subtransfers on a quantitive resultation the emorginal light is introduct, principal if the engils to set \$47.70 monitant that to displaced to beliefed. Automotor were plate to the remains force for producing and determine anomalies and allignostic potential.

2. Bull Ware Here: Y is also a second duble, estuaring regard plan (p.g., colors or guartit of subule relations, out with its period and provided to the

-rivative flace not that a place difference of a 
$$p$$
 a pair difference of  $\frac{2}{2}$  is

constituted between Owne and Europe consumption described for equal, When a three of pinker episodes for an examination that has been described to a similar of the examination of the

1

For pusting records this quests, p. 1 in , as they distribute in half your plant

$$\frac{\lambda}{2\mu_0-\mu_0)}$$

Since the party-fillments Appends upon the constraints of the light and the infrarian inches corresponding to solice light of variously.  $\lambda$  - placed are generally used for calculating the expected deliment of a query-to-solic light and place,  $\lambda$  - full coses place to tool in constraints of Lamper's hill coses alone in tool in constraints of Lamper's hill coses desired in publications:

When a place pole-disc light is proved of coughts belt were close, the energiest high is she place polarized for all extensions of the place with super-fix the place of transition of the Sachierr light, but now the disection of streeties to limited at an angle of with the brightest light, where it is sit might up which the disection of streeties the incident light sealers will the color units.

Their person on promuly made of spirits by retting It penaltic benefits and their political to make here satisfies alone.

#### Extraple 5.4

Eulopian dia missione dicitiona of a quarter corruption made of calcius proped for the light of containing the correct correct parties are a tigo and capital.

#### Andreador .

Parallersentia I p.

$$=p_{\rm e}=1.0038,\,p_{\rm e}=1.009$$

S-Smit-Warring

Character of purples over given

#### Dates of Life

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#### Salaton

the deviate of the relationship to be the first first first of the party is sometimental to be a proper separate

Nichael Sales de plus

$$\frac{k}{2\mu_d + \mu_D} = \frac{3890 \times 10^{-1}}{20.29 \times 10^{-2}}$$

$$\frac{5890 \times 10^{-6}}{2 \times 9.01} = 2.95 \times 10^{-2} \text{ o}$$

this all it is being a first the property of the

#### Enample 24

The releast of a, and a, the quarte see egget and agent expectedly behavior the pines sets design by it a total of the fundament of the photo is egg pass.

#### Charten

The part difference between E and I have observed in concess under all distance in-

Place difference of place insurfacion

$$\begin{split} & \frac{2\pi}{L} \times \rho = \frac{2\pi}{\lambda} \| J_{0} - U_{0} \|^{2} \\ & \lim_{t \to 0} \rho_{0} - (1000, n - 1) \rho_{0} \\ & \mapsto 0.000, -0.001 \cdot 10^{-2} \\ & \mapsto 0.000, -0.001 \cdot 10^{-2} \\ & \mapsto 0.000, -0.000 \cdot 10^{-2} \\ & \times 2 \times \pi \\ & \mathcal{H} = 10^{-2} \cdot 10^{-2} \times 0.000 \times 0.000 \\ & \frac{2\pi}{L} \times 0.000 \times 0.000 \times 0.000 \end{split}$$

CHIEF SHIPS

#### Fatherik p.r.

When should be the distinguist quarter was plant for a light of maximizing plant, if  $y_i = x_{ij}y_j$  and  $y_i = x_{ij}y_j$ .

# Seletre.

#### Deposite 5.0

In physical disc plots between on a fall-case plots for a particular entering it is described by the control of adjustments of the control of

#### Solution

The blobbase of a half-own plant of commonweal have making by it is given by

$$\frac{\lambda}{2\mu_1 - \mu_2}$$
  $\frac{2\lambda}{4(\mu_1 - \mu_2)}$   $\frac{\lambda^2}{4(\mu_2 - \mu_2)}$ 

They be residently that, and bitter as a question of place

#### Extraple 1.5

Educate dia filological di 2 cività plessoriali, vendi porvett picas polizioni light into otrodichi polizioni light. The principal refractivo beliano sy the mendingst, planel of the med light to a plan.

- Additional - Addition.

#### Selection.

The place published light as asserted to be created; polarized light 2 for piece roted some a published as  $\frac{\lambda}{4}$  and  $\frac{\lambda}{4}$  and  $\frac{\lambda}{4}$  increase with one and constitution one. Nowe, if the finite and  $\frac{\lambda}{4}$  is the first and  $\frac{\lambda}{4}$  increase with an analysis of  $\frac{\lambda}{4}$ .

Then, the best distincts in that I still not not and all the AAL statistics of this will convert place pointed but not received a challed byte.

#### Tomosile 5 to

A solding-fair of Address Coldina on it was with path usin provided as the form:  $E_{(0,1)} = 0.00$  and  $u_0 = 0.00$ . Sparing numbers with translating rights and to translating the fair radial range data growth to "break for which this place between in a full most place and this Economic video in the behavior and approximate place and approximate place and approximate place and particles are also as  $E_{(0,1)} = 0.00$ .

#### Solution

Para half transplant

$$\begin{aligned} &(2a-1)\frac{k}{2}, a \in \{2,3,\dots, k\} \\ &= \frac{2(k_0 - |k_0|^2)}{(2a-1)} \\ &= \frac{2(k_0 - |k_0|^2)}{(2a-1)} \\ &= \frac{3(1.648 - 1.462 \times 0.6028)}{(2a-1)} \\ &= \frac{66800}{(2a-1)} \times (0^{-6}(0) = \frac{66800}{(2a-1)} \times 0.0028 \end{aligned}$$

Part is a fig. 5, it was part is regard, being his signal in the rights region; the whall the given remopless behavior on a half-week place.

To grant virgies

$$\begin{aligned} \frac{40 \, k_2 - k_2 \, 1!}{(10 - 1)} \\ & = (10 - 1) \\ \frac{40 \, 1648 - (1401) \times 0.0020}{(20 - 1)} \, \text{cm} \\ & = \frac{130000}{(2\alpha - 1)} \times 10^{-2} \, \text{cm} + \frac{130000}{(2\alpha - 1)} \hat{h}, \end{aligned}$$

To exhibiting we find the form -10 or, 10, 10, 10, 10, 10, or expectately, we got 20 - 10/4 h, 10/4 h

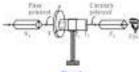
# LAST PRODUCTIONS OF PLANE, CHICCIARLY AND ELECTRICAL PRESSURE VIOLENCE

- Plane Observad Tajder to person plane plane drifter, these attractions are specified by the parallel frame of the temperature for Size plane, in gifts at a real field of the plane, in gifts at its efficient and entereditive consequency. The arthury components to result materials and the second of the Constant Solvane, have a got in advocable, within the consequence appeared by the plane. The enterpretable plane is the property of the plane of the consequence above the plane of the plane of the consequence and the plane of the consequence of the plane. The enterpretable is not the plane of the pla
- of the print.

  In Christian Palament Ogita: To produce communicational light, the conprincipal policy of fight values printed as trapic major to costs often, homey for come annotation and their partial, heating to place difference of title or a partial.

difference of " phospic As made to base from:

there the proposes a specially because of street decreasing the state of the first or the state of the state



Decade

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5 Eligibedly Polarised Light: To probes allocated polarised light, the nonpless polarised light across obserting at tight angles to each other having reagen?

complication should be seen a place of the content of  $\frac{1}{2}$  or a place of the content of  $\frac{1}{2}$  be some extragance and growing the content of the content of the propose. The cold difference being that it this was the object of the propose. The cold difference being that it this was the object of the cold of t

#### ANALYSIS OF BUILDINGS CHOSE

- (i) Phase Polaciant Eight: The base of light mobil interrigation is differed to that on a Tited point. The Stood points is recensful. If the light part reception, in considerable complete the forces of interrity reduces in sort) or for its own complete reasons or the Stood yellow, the base is given polarisate.
- 00 Streeterk Februard Light: The streets printed light, who there's thought a streets find plan show on thought in the immediate of Manuscott.

The rate is characterized orbital applicated light in raced directly a waiting their prices in this capacition is no difference between consists polarized and capacitant lights.

To distribute formion consulpt referred and mandered light, to bear, a discret of the or quantitiveness date, the national country bear plant of quantitiveness and the two particles of the part

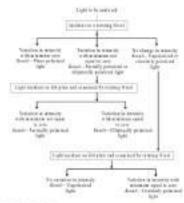
In later, when a stronger, polarized light in allowed to full our a general wave plates and then the well denote a stronger Yard prime. See light pre-completely emisgrated related and destributed like artists.

(A) Highworldy Peleckool Agles. The lasses of light is Glimed to full on a menting Nord prices. If the lasses is obligatedly pole-robed, the featured of distribution belongs between estimation in a minimum four units. The featurity is mentioned than the grinning is force of the line is pattern in partial to the major and of the ellipse and interesses, then price is the last pattern in partial to the major and transition of limensities in this sum to the more product in the region of these or interess of expectation of the red plants (Section Higher) is incident or a contently filled up the last partial.

In Blummer eligibility solected light true a corone of suphristant and plans solected light, the hours could investigation is planed frough a supervision plans. The quantities are plan coroners the eligibility political light into alone controlling of the cont

The above Accounts is presented in Table 3.2 to the assistant of polarized light-

Table he



# a quarterial lectromy

To add the two Pirel primary places the remaind quantities as a times in  $\{p_{k+1}, p_{k+1}\}$ . When high shifts in this State  $\{p_{k+1}, p_{k+1}\}$  is the primary places of the state  $\{p_{k+1}, p_{k+1}\}$  is the state of the st

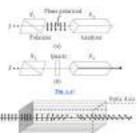


Fig. 16 de Alemeira of places of palashapine.

The program of vicinity of plans of the tests of plans polarized high, above in the same of propagation for existin created in a challenges. It is been a significant time, The plansman of propagation for existin created in a challenge one times an optical partie induces and partie induces and parties and the plantman of product made or a partie, or plantman or a control of colorate. He represents, may not take a plantman of colorate in the representation, and control in the colorate in the representation of the colorate in the representation of the colorate in the col

There are rest upon of system's patternal contractions.

- O Night Medich or Period Relation. Store on qualification of contractions of the store of professional or a relation for private or professional production of the store of th
- (6) Left Bandel or Lawer-Bassney: Then ter symally unite attitument which return the plans of pulsationists in an aminimization detection read, in distance leading tercents, [24] suppopring transits him In other twols, final relations remain for plans of infrastrum to the 24th read an alternation (related by the confidence of the plans of the property of the property of the leading transits light very ording to him.

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to be took of adultion and regions the alternative materials produced by a group

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2. The country provided to be easily properties of the square of the service public of the lastic con-



Thus, it is best for not of the "tight set the "tighter for field control light.

4. What, there is soon that, size aprically written solutions. On their transition,
provided in the signification and of the resolution (F. A. A., a produced for infinitely
information).

The mention is and declarate discrete to raise as positive risks flat in discrete discrete, to raise to supplies

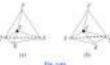
Cases of Refered Acress 6 is the strate-fordered entrapers of the substates which is proposable for its opinal metric. Beauti suggested that the castalist arise reports are pushes a colorous larges which are display to deal from our surders, as then the same have a good like a reagentime. In this disk should be destro-restrict control, be large as to that up destrict into result the epith min, theses in the left backet or large-restrict youthit, the factor was both to autificated as

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THE 2.1

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# HOLDONE STREET OF SPECIAL ROTATION

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- DO to an optically exper-industrial the querie, the two signality potential charmonal seculi sitils different relations. In a future constant misseure, the estants of right brainful missisticy industrial light is general data the felt function strated protected light. While is a furnishment of misseure the relative of relative handed strategies, placeted light years for more for the place of the latent of the placeted light while the protection of the placeted misseure is absoluted to the control of the placeter of the p
- (4) Mer wamping than the record, the are should ellipsions consider as profited a place plantant light clean plantant or parameters as plantant in his light clean plantant to his institute from the might of continue diagnosts upon the plantal difference decidental between the new learns for the treat.

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a to make a company of a selection

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Na. 5 in

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Therefore, the resolvent discusses, is place polatical and it makes an angle  $\frac{2}{s}$  with the original  $\frac{1}{s}$ 

direction. Security, the place of effective has record through an engine  $\frac{d}{d}$  , we provide through the second

Briefley Raction Circles State Sweet

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$$= \frac{\pi d}{T} \left( \frac{1}{\eta_{c}} - \frac{1}{\eta_{d}} \right) \left( \gamma \frac{r}{\delta} - \frac{1}{T} \right)_{10,00}$$

PROFT'S the time period.

For the left hands of options or the country, y., i. a.,

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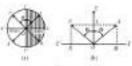
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Thus, there are two places palarents become (Eq. 195), (A.9), one prompting from the place field with visitations being \$1.0, Albelle's sixtle mempion, become large parts foll with deviations change (E. 2) the principal places of the producing Third is possible in a SSA, does the laple from the place field will promound a maniformation, which places for the produce field of the producing Third and because they globe belle's produce the produce of the producing Third and because they globe belle's in principal places of V'in producing the producing the field of the producing the field of the producing the producing the field of the producing t



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For the purpose, the rade 7 is that their with water and the contrary to and to the position of speal heighteen of the field of the real emiliages of the two on streets are small in the two restricts are small to it the contrary made. Note the rade is thin with the spitting street relation toos, made adjusted of tensors concernation. The analysis to respect and the positions of equal lengthness is again, clusters. The once positions of the two tensors are supply small on the insular water. The fifteeness is the two confidence of the traces werein given the analy of relations probability the administration of the two confidences of the confidence of the confidence of the position of the particular of the confidence of the c

between 
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DK.34

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A the principal plant of the naption is partful to PNS, the yellow light will not be transmitted along the and-not obtain the retroubling persists which will present a list many parporters in and half. Then, the arguments or the term forms in this initial Ting two halves have a period-while the institute of the term forms or provides to the lists that called the rive of tensors or provides too. While the called the rive of tensors or provides too. When the called the results or was also

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$$\frac{\pi d}{\lambda}(\mu_1 - k_0)$$

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0.1448 http://doi.org/10.000

- Derivative relation

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#### Example 3.33

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#### Salvenor.

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$$\frac{16\pi}{3}$$
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#### Committee 5.14

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#### Example 3.15

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- Appetite respired to a street.

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#### Short Assesser Type:

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- 3. Define and deposit (2) place of reference and (3) place of pollutioning of a place polarized light.
- g. Fan stead torse in printed Win?
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- an file y bears depend ?
- 48. That is "printed one". That is the difference between Laurence half-times.
- and his quarter participations of the North Astrophysical States
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- di. Diese florice regretament to ribus: the lampose of sustained light-
- Non-sof again. Sevent law that the vilax light is bother on a transport inference in policiting engls. So infered and wherein material right pulse is only other.
- 4. There has the present of polaritation rating a pile of plane.
- g. We compressed the soles above both attention, while plan fractor, in adoth covered which are need better PRof.
- Distinguish between expected and blacked reposits Displain the terms get them; prompted access and principal plane.
- What is Find point? Eights to prompte, contraction and rusting (force) to colors a solution and an emission.
- A. Discous the auditions and the horsestons of a Kind series.
- 4. The the Danger's implementant of deaths infrastructure processors.
- at Constants to interference of prioring light, shows the continue to the production of an imagin of a displaying well of circular's polarized light.
- we What is poster train plans and half-turn plans? Obtain the exposurements for required the beautiful posters and exposter process.
- \$4. There is noticed of production and analysis of 10 place. It's resignify and 100 offsets the scale and halo.
- 49. What is optical activity? Office the characterisms, legist install and left lauxed contains.
- 44. Need to Transfer thesis of update position and characteristics for the custom produced or the place of polarization.
- p. Daniella disconnection and tracking of Lamon's fail stade palarimone.
- all, in that inc a trigger phononic differ that Leaver's hill daily principals? Donos is validate.

#### Names binds

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- g. A pulsation and an engineer ups released on that the parents of light transmitted to recomme. To other parents ago of its percitous value is the broading of the transmitted light reduced when the uniform is extend diversity and per fit ago in the world of a College, because, the activated of a size.

- 2. A policion and uniform are obtained on that the assume of light framewhold in maximum. Show will some areas of the embeds on the community fields in verbinal, or and mail disk out, but with a maximum or and of the assuming resided (News, 60) are, 10 (40), 50 (20), 10 (40).
- g. Calculate for disclosure of a granter-verse plan for light of versioning traps, for edich for S. and it indirective believe are capt and a payment into these adoptions and
- 5. To exhanter index of takets is slight to Over and sight to Proy. A plane parallely face of orbits is not of dynamic on, one To what varieties possible region off the plan belone on a (1) quarter-way plan, (0) half-way plan.
- (Age, 10 months as split panel agreem (10 Aphanol plug per)
- W. Calarino the discharge of a facility relieving correct pagetred to inconference gain difference of 24 between Gas P and P most, relieval, a Britis E, et al. (Quantities of page 1886), page 102.
- A hour of place parametrized is non-autolities stocked polarized light to parametrize decorpts a syncial plan of theirs as y i set in. Calonizes the following to file substitute inflicts of the retri regress hands the regress assuming the above decisions to be the minimum value required to produce the situational affects for their confidence inflictive teams. Data y is a respective of the situational affects for their confidence infligits from any label y is a respective.
- 6 To piece of polassation of a place polasized light in resolutionism in the process of the p
- q. A poliutation fair of 2,5 m, companing a major solution matrix for other of poliutation formula of 1. Si the specific relation of cappa in 107, assenting the strength of tager continuous. Man. 4-161.7.
- 40. So coincides today of guirm fol (from 20.00) and the processor options to the first in Logic of on consensed with light of servinegith phosph, that the symmetry follows of grant placed between a polarities and an application to produce to consider an emission of the lasts. May a Cold St. 20.0.

# Optical Instruments

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which is the cause as obtained untille. Thus, o bedon the my in mobile parable is the principal arts or some the demonstrate cultimate by it is the name of the harpte of which the say in medium on the five probability of plant to the formillarity of the option of the parable of the principal column.

#### Equitible of Fenal Length and Cardwall Petets of a Countil Length vises

Contains we conclude whead convey beams (a seed, in six or a Advance-of-sport Ellin, All a ray of spin, All a bosonical and found in particular this principal sixt is a being in a Advance of the least and a self-spin and a

$$\theta_1 = \frac{\theta_1}{\epsilon}$$

The deviates produced by the first base 2. The showed is the board board of base 2.



-5.

where f is the equivalent hand, length of the continuation. The phase parsing through H, and proposal forther to the principal axis as  $g_{ij}$ , and  $g_{ij}$  and  $g_{ij}$ 

Fixed Length of Condensation. The stad denotes produced to the condensation to give be 
$$\frac{d_1}{f} = \frac{b_1}{f} + \frac{b_2}{f}.$$

The stoogle (T.D) and H.D are make:

$$\begin{array}{cccc} & \frac{\partial L_1}{\partial x_2} & \frac{L_1D}{L_2D} \\ & \frac{A_1}{A_2} & \frac{A_2}{(f_1-g)} & \\ & \frac{A_1}{A_2} & \frac{(f_1-g)}{(f_1-g)} & \\ & & \frac{A_2}{A_2} & \frac{A_2}{A_2} & \\ & & & \frac{A_2}{A_2} & \frac{A_2}{A_2} & \\ & & & & \frac{A_2}{A_2} & \frac{A_2}{A_2} & \\ & & & & & \frac{A_2}{A_2} & \frac{A_2}{A_2} & \\ & & & & & & \frac{A_2}{A_2} & \frac{A_2}{A_2} & \frac{A_2}{A_2} & \\ & & & & & & & & \frac{A_2}{A_2} & \frac{A_2}{A_2$$

Interioring the above raise of \$1 to \$4, 14 th, twe get

The above representant glow the fixed length of the continuous of the lances of lend length of and Compared to Streets of

Then he be become as a count in a 1-1 to be lead bug had be particulated by the in-

Also, La 20 cars shad be got to the factor.

Positions of Principal Points, the tie repressing between the second tear L, and the record principal plane has 3. The discusses 3, analyting to the sign elements, will be required as a to-constitute of their L.

December 827 and 627 securities

Property Stat Laboration Science

The registric sign believes the the neutral principal point that streams the left of the second lots. Proceeding to a stroke very the case that the appendix is between the first later and the the ordering of the stroke is sent in the second stream.

The position may individual than the first principal point does no the bod at the bod 1.

Residence of the Wood Relate: The Stateman L.F., Lo., the Stateman harmons has assend from and the assent had paste former the assistance of larged handlester.

$$f + \beta = f - \frac{M}{K} = f \left(1 - \frac{d}{K}\right)$$

$$= f + \frac{d}{K} = f - \frac{M}{K} = f \left(1 - \frac{d}{K}\right)$$

Stanlards, the local tree or the position of the liver tree! prior to:

$$dF_i = dF_i - L_i R_i + f - \frac{d^2}{f_0}$$

$$dF_i = -f \left(1 - \frac{d^2}{f_0}\right)$$

$$dF_i = -f \left(1 - \frac{d^2}{f_0}\right)$$

#### 4.1 Veda Obile exceptible baseing of our food points

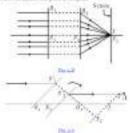
a could alitic materials of an experience until to could be beautiful profiled prime. It has no specialization, betweek 2.50 to its least has reached with him regulation. For one scrapht about it resembly alitical processing the special probability of the country of the count

The bank apople serves a plant minor think is algobb of stateba about a best and only preventions to the bases with artifactures.

The residence of a model safek in board on the latter-tip factor

- A bean of profel one, the relation florid) the retent, coronae on the most local point.
- (1) At patched pay, lineted to easily the Soil model point, after refraction feats the content, common finite the named mailed point to a particle bisocher.
- CET When the primary is county digitally when it is assessment; positing through the record social grains, the people which to observed on the second break plane; streams
- Cut When the wealth per both the older of the entires, are the sense. The principal potent and the wealth potent materials.

increase  $N_i$  and  $P_i$ ,  $N_i$  and  $N_i$  white core process  $N_i$  and  $P_i$  respectively. A top incident at  $N_i$  energies from  $N_i$  white  $N_i$  are large  $N_i$  and  $N_i$  and  $N_i$  are large  $N_i$  and  $N_i$  and  $N_i$  are large  $N_i$  and  $N_i$  and  $N_i$  are large  $N_i$  and  $N_i$  and  $N_i$  are large  $N_i$  and  $N_i$  are large N



Now, appear the sain of conduct power dynamic  $G_1(G_{11},\dots,g_{2n})$  bound Serion N, thus a small employed the forces along  $G_2(N)$  and N, in N, is alone to the figure A and fight business a(N), reserves the A to the dependent A and A in N in the second points of times A.



- Contract

Now, required the rest of constitution between the respit  $X \in \mathbb{N}_{k-1}(\mathbb{R}^2)$ . Then can ellipse executes of the grown, the location of X -charges on X' -charge X -charges on X' -charges on X' -charges X'-charges X



#### THE R. P.

Peace for discretizing, the date that the view for each of matrix is to any point when the X<sub>i</sub> is align reading in the queue is not indicated indigent to make in the queue is not indicated. Materials and the supple in the same discretize. Materials of the same of the same and the same of the peace of the same and the same of th

In the modal of the expectance. The actions is recommed a request a paid a while dispers of the fall is obtained and the action. The courting it is non-trained through a must be until a paid point of the fall is defined as the action of the fall is of the courting of the courting of the state of the state of the state of the fall is of the state of the s



#### Eisensk a.e.

A retail loss writes plant is at research of the bearing two long begins (F and F expected by a data or (F The deep minimum) is a colony point.

#### Solal sum

The important to ACS extract principal point from the first low.

$$\frac{1}{2}\frac{F\cdot 2F}{F} - \frac{2F^2}{F} \longrightarrow 2F$$

The recognised was that the few principal pains E. Is no the right with all the little law.

Plant the record or turned come if the contact of the legal time according

by the problem as both selected the time process in sector, the tree model process  $P_i$  and  $X_i$  extends only,  $P_i$  and  $P_i$ 

$$I_{i}^{i} = -J\left(1 - \frac{d}{L}\right) = -\frac{3}{2}J\left(1 - \frac{2f}{F}\right) = +\frac{3}{2}F.$$

The list had posses

$$f(z-z')=2 f(z-z'')=F$$

The issued final point

These or that points are down in Discussion

### Exemple 4.0

a fills non-righty lone and a file diverging has early if hind height at the eth planet remiding you span. Find the fill has been been and the property planes of the matchesters.

#### Adapter

 $f' = \frac{1}{f} (\mathbf{B}, \mathbf{Baths}) = \frac{1}{0.7 \cdot \mathbf{B}} = 47$ (6) Figure Steps

 $4 = \frac{64}{L} = \frac{20 = 5}{-10} = -16 \text{ tm}$ 

Otheumorise

Thus the first principal point it is on the left able of the first last on a first second or

$$\beta = \frac{-M}{2} = \frac{-20 \times 5}{10} = -10 \text{ cm}$$

Breatal principal principal

Thus, the assembly descript point  $P_i$  is stribe, left of the assemble as at a dissect of the set.

## Executed \$4.0

(N)—Bits derivering tensor of South Integlia is not and a suit competitivité anniphosed constable in aniant experiment by a determine of a suit, has object as placed a rate to book of the Bird Book Mari the position to all animos of the former and the bound beautiful to an

#### Solution

has, 
$$f = \text{time}, f = \text{quasi-com}$$

$$\frac{1}{f}, \frac{1}{f}, \frac{1}{f}, \frac{1}{f_f}$$

$$\frac{1}{f}, \frac{1}{f}, \frac{2}{f_f}, \frac{4+1-2}{f_f}$$

$$\frac{1}{3}, \frac{1}{4}, \frac{2}{3 \times 4}, \frac{4+1-2}{12}, \frac{2}{12}$$

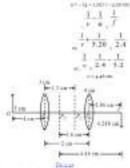
$$\frac{12}{2} = 2.4 \text{ sm}$$
From prompty parts  $f$ 

$$\frac{H}{f}, \frac{2.4 \times 2}{f_f} = 1.26 \text{ cm}$$

$$\frac{H}{f_f}, \frac{2.4 \times 2}{f_f} = \frac{1.26 \text{ cm}}{f_f}$$

$$\frac{1}{f_f}, \frac{1}{f_f} = \frac{1.4 \times 2}{f_f} = \frac{1.60 \text{ cm}}{f_f}$$

These relies on depicts in the day.



The distance of the beauty from the C - 4.67 - 18 - 1.85 cm. They the beauty is well.

$$\frac{3}{3} = \frac{4.43}{3.28} = 0.83$$

Street Stripped in Street Self.

#### 2.3 Selects to the tangent electroleum

This derivate relations between ridgers and image discusses, and their largest of a large of the recornel that it is distributed and report and supplied of the spiritual plane is a said. Secretary, the plane is a spiritual plane is a spiritual plane of the spiritual plane is a spiritual plane is a spiritual plane is a spiritual plane. The spiritual plane is a spiritual plane is a spiritual plane is a spiritual plane is a spiritual plane in the spiritual plane in the spiritual plane is a spiritual plane in the spiritual plane. The spiritual plane is the spiritual plane in the spiritual plane in the spiritual plane in the spiritual plane.

But in the above manifested seasons, that image for bodily very often, not at problems for relations motival only, attraptible, symmetries. The image fortinal for the leason ion been insize defects look applied deliver in the neutral images are order observations.

The decease, been the natural axis, despite and partiest of an image congressed to predicted sorting the observation and advantage are been decided by a later. The elementage are in-

Strate Street, or was proposed

(c) Manufarmania for Hedel Alexandron. The alexandron units per person size of the realized plan resident a right constitution of the tradition length of the tradition of th

There are the types of proportional placement. These are (i) asheron describes, (i) many (ii) assignments, (iv) represent of the field, and (v) determine.

OO Chromath. Mexicologic is a well-known that the obtaints make and home the food length of a line in Official for different reconsigned of the highlest highlest length or a given length or indicators seek and from highle than that the order highlest. Thus, if the markets highlest as length or not assessments, a market of obstantly largest continuous, and the continuous highlest are length or not assessments, a market of principle largest continuous, and the present of the largest continuous and the present of the largest larges

The plur exting which as to that in the presence of more than one constraint in the trades in the sea calculate materials above to the

#### a polymouth identities

No hare warfait defined the efectorics sharenise. The separate size his record as the dodding of a loss in later or white hough of a white algorit i.e., it better independ an appear of as old part with white his

The changest electrons is that to the fact that the wheelers below at the control of a loss to different the different recoverability belowed at light, theirs, the book length to different the different recoverability to providing a free pathod in termina, the book length of the facting with all controls of and of a failure of the pathod in the controls of an of a failure of the controls of and of a failure of the controls of an of a failure of the controls of the control of the controls of the controls of the control of the control

$$\frac{1}{\epsilon} = 0 - 0 \left( \frac{t}{R} - \frac{1}{R} \right)$$

where a to the reference below which is different for different combinate. The committees with

Exaction law: A 1 Hours, do forall regis, he also different to deliberate or resimple.

Date of the shore mentioned extens, the image of or others of the some so which light is a formed
and likewal. This object to become an abstractive phoronical Toy theretake abstractions are of two
types. (If large builted for a solid) observation and life laws for incorrect observation.

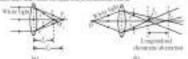
regime will be yell H the screen is greated in  $P_n$  the contract the image will be and while the screened region will be taken.

The reproduct intents freel point of case points F, and then of refusions F, as the principal test represents the long-fulfiled abstraction. Thus, 87 and 6 represents the freed language to the seal of some cases that the part and of some cases the part and of some cases that the part and of some cases that the part and of some cases the part and of some cases that the part and of some cases that the part and of some cases the part and of some cases that the part and of some cases that the part and of some cases the part and of some cases that the part and of some cases the part and of

#### imagination absorbed (A.C.).

If no chart is diseased at the policy Cox the principal late (Tip\_1, 1, 1)(C), to other image inclinated.

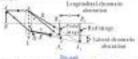
I, not the not image is because it. The agreement between I and I measures the longitudinal attenuates abstracting the disease in the other image. That is,



On him Longitudinal discounts discounting.

The Engineering discounts observation in telescon positive whos researced from 1 to 1, doing the discretion of this tenderon. These, is state of a positive time, it is positive while in control a positive for a first of a positive form.

Latered Chemistric Alternations Sugares to a taken in place on the principal part is free of a process last as above, for  $\Sigma_{k-1,k}$  (Philae storage in twists April, the best other principal partial corresponding to each order a passet in the feeting light. The whole temporary commons the fit of and the not compared to the contract of the contract of the contract of the feetings.



he his magnification of the image to departition on the head largifi of a lass, which is different for different regions, the side of the images of hillshest columns is different. The size of the red image in the largest right, then of violes heage in this consider.

The date; i.e., differential of larges of differentialism, is have an interest in received distributed above time. To be a

married to the second

# Not of the image \_ Distance of the image Note of the object \_ Distance of the object

As the distance of the trappe of different solvens on different, the trappid critical and becomes the size of the trappe of different solvens are different to being be invested elements wherepoon. The different id.— 4 As I are assumed out and in human departures.

#### Cubulation of Laughtedness Chromotic Observation

The first below the expression for the Longharina's Resource abstraction in the error saver (i) other the oblive to an inflator and (1) other the object is at a first discussion.

Of Longitudinal electronic physication when the object is at believe. The local length of view with soft of our ways if and if, is about to

$$\psi = 0 \left( \frac{1}{R_1} - \frac{1}{R_2} \right)$$

edition at its refractive traffic of the australial of the boss-

(0.5, 2 and 2 to the facilities in the long to rather, and and rather (amount observed

$$\frac{1}{K} \cdot \mathbf{Q}_{i} = \mathbf{U} \left( \frac{1}{\mathbf{A}_{i}} - \frac{1}{k_{i}} \right)_{i \neq i \neq j}$$

$$\frac{1}{K} \cdot \mathbf{Q}_{i} = \mathbf{U} \left( \frac{1}{\mathbf{A}_{i}} - \frac{1}{k_{i}} \right)_{i \neq i \neq j}$$

$$\frac{1}{K} \cdot \mathbf{Q}_{i} = \mathbf{U} \left( \frac{1}{\mathbf{A}_{i}} - \frac{1}{k_{i}} \right)_{i \neq i \neq j}$$

Submarries Eq. (a said front Eq. (a. etc), we get

$$\begin{split} &\frac{1}{L} - \frac{1}{L_{-}} Q_{+} = p_{+} \left( \frac{1}{R_{+}} - \frac{1}{R_{+}} \right) \\ &= \frac{L_{-} - L_{-}}{L_{+} L_{-}} \frac{Q_{+} - p_{+} L_{+}}{Q_{+} - 1} q_{+} - 2 \left( \frac{1}{R_{-}} - \frac{1}{R_{+}} \right) \\ &= \frac{L_{-} - L_{-}}{I_{+}^{2}} \frac{Q_{+} - p_{+} L_{+}}{Q_{+} - 1} \frac{1}{I_{+}} C_{+} I_{+} I$$

$$\frac{\frac{h_{n}-h_{n}}{f_{n}^{2}-f_{n}^{2}}}{\frac{h_{n}-h_{n}}{f_{n}^{2}-f_{n}^{2}}}=\text{Disparate power}$$

or handfulfack downers absorbed

Then, the langitudinal elements of securities of a Nice law, when the object to at tablety. It reports the product of digressive preserved the law, and the local langits of the most is offer the.

(E) Longitudinal character observation whose the object to at a North distance. For a finding, the solution between a part of texture to

When the dead to the form former is, is the context it and disregar with color to Chemical Service represents, on all

On world, represent the trapp through and traditionary for time to transmit and other hands.

Personal Reservations in Eq. (a) I'm resignar

where the result of the and first, the transcription of an

From the Eq. (4.17 mill 14.95, we down that the biographic risesons shows the biographic risesons

- O'The Baland's good of the hase instead
- 10 The measure railer/ched length.
- 110 To image director of the main for willowing a, which in him depends upon the nation flammers.

#### 4.5 A /Brancations

b is prodific es minimiza directorio alterativo (e. s. situatia resolizazione el fila limpa. Sarie a minimizzatio di lasco in alternali e su, arbitrorio arcidinazioni sali dali placamanane alestro (e. mosti a minimizzatio, in laccio su, arbitroriorio. Tito generali di administrativa di debusatio illustro su minimizzazione.



Pla 4 or latterpress holder

It is provide a common description description to comp the condition to of a calcular community and a complex form that is conditionated in the conditionated in the conditionated and the conditionated and the conditionated and c

(ii) Two Leasan in Gainette No laws discussed outlier that is a convention, reductioning is more to the laws through not been While it is recompared team in stabilistic on a convention, then the self-image is cleared in the team by the color image. Standard in the convention is string a convention of a score in the convention in a statement which can be be cleared. In the third manner is made in these or an assume the stability is sub-level and in the first of the color image. In other words, the fixed beginner is deliver to indicate the particular of the color in the

$$(\mu-1)\left(\frac{1}{R_1}-\frac{1}{R_2}\right)$$

where the artifold between their street execution. The already in final length f is dependent on the change in behavior takes  $\mu$ . Differentiating the above equation

$$\left(\frac{1}{j}\right) = 4i \left(\frac{1}{R_1} - \frac{1}{R_2}\right)$$

Strotting Ra. based by Ra. based

\_\_\_

$$\sigma\left(\frac{1}{f}\right)_{j}\frac{d\mu}{d\mu-Q}\cdot\frac{1}{f}=\frac{m}{f}_{-(q,m)}$$

Let the first lengths of the two leaves to consumble f and f, and is, and is, then compared to dispositive persons for the two resistangles, be ristedy the annihilation to be furnishing as an elementary doubles. The approximate that length of the conditioning is also be.

If the standard on the function of automorph, the first being it more being more for all the constraints.

$$d\left(\frac{1}{F}\right)_{n,k}$$
  
 $d\left(\frac{1}{K}\right) + d\left(\frac{1}{K}\right)_{n,k}$ 

Displaying the Lordan

$$d\left(\frac{1}{\tilde{\Lambda}}\right), \frac{q_{\tilde{\Lambda}}}{\tilde{\Lambda}} \text{ and } d\left(\frac{\chi}{\tilde{\Lambda}}\right), \frac{q_{\tilde{\Lambda}}}{\tilde{\Lambda}}$$

A ST THE LAND

The is the collection another for advancement. For this contillate to be untillated. The off of the problem of a special content is under a collection of the content to convenience c

(4) Two Lemms Sequential by a District. Let us more found at leaf length () and () is expected in a model-behavior in critical to excluding leafactors. An experience multitation VI also exagges that the material of both leafactors. As grants to the mine and before their department por at 'prince the name.

If I in the page wheat head length of the tree feature, there

$$\frac{1}{\lambda}$$
,  $\frac{1}{h}$ ,  $\frac{s}{h}$ 

Note: than thought to I and I, with translating they infronted today and expendits for the change in E. on Whomston the observations postules and have

$$d\left(\frac{1}{K}\right) = d\left(\frac{1}{K}\right) + d\left(\frac{1}{K}\right) - d\left(\frac{\pi}{K}\right)$$

$$d\left(\frac{1}{K}\right) + d\left(\frac{1}{K}\right) - \frac{\pi}{K}d\left(\frac{1}{K}\right) - \frac{\pi}{K}d\left(\frac{1}{K}\right)$$

$$d\left(\frac{1}{K}\right) = \frac{m_1}{K} \text{ and } d\left(\frac{1}{K}\right) = \frac{m_2}{K}$$

$$d\left(\frac{1}{K}\right) = \frac{m_1}{K} + \frac{m_2}{K} - \frac{m_2}{KK} - \frac{m_2}{KK}$$

No formation to brackening Par F statistics have 100 sleep in.

In the case when the two below use tools of the stress currented, so that  $m_i = n_i = n_i$  tase). Here,

$$\frac{\alpha(f_1+\alpha f_2)}{\alpha+\alpha} = \frac{\alpha(f_2+f_2)}{2\alpha} = \frac{f_1+f_2}{2}$$

Deliver I.

Thus, the this statellisation on Via arbitrarials, the approximate literature for two flowers for again of the states from England; of the time Stimes Mergality, regulars and this fails concludes. In this pass, the fail of all releases the total for the same forming, the concludes the third passes of the same of the same forming, the same of the same of all inferrent literature and the assessment of the same of consent the time of the literature through the forming demonstrate the same time of the consent to the same. Make, a same of the forming demonstrate the present of an extraction of the language that the conservation conservation and the same of the sa

## Summarie 4.4

This issues of final bagits formed it not one placed at a service distinct again. If they have as a advantage standardow, that the superplan between their assessing that they have the same themselve over-

## Schales

The supplications were booking the exposition as given by

$$\frac{\frac{K+f_1}{2}}{2}$$

$$\lim_{t\to\infty} f_1 + \lim_{t\to\infty} f_2 + \lim_{t\to\infty} \frac{8+6}{2} = 7 \text{ (22)}$$

## Deposit 4.5.

The elligible has of a schedule is an advance of head length or on. If the dispersion power of the foreigness on a regular to the first the head length of the two lengths.

#### School ..

Frei um aufricament information

$$\frac{m_{1}}{f_{1}} + \frac{m_{2}}{f_{1}}$$

$$\frac{1}{f_{2}} = \frac{m_{1}}{m_{1}f_{1}} + \frac{0.034}{0.096f_{2}} = -\frac{2}{M}$$

S.P.Schkelmed length of the riskeline, Beau-

$$\frac{1}{F} \cdot \frac{1}{h} \cdot \frac{1}{h}$$

$$= \frac{1}{90} \cdot \frac{1}{h} \cdot \frac{2}{3h} \cdot \frac{1}{3h}$$

$$= \frac{3h}{90} \cdot \frac{1}{h} \cdot \frac{2}{3h} = \frac{1}{3h}$$

$$= \frac{3h}{2} = \frac{3 \times 10}{2} = -10$$

## Exemple 2.0

It is administed during the connecting last to made of come glass haring deposits point most and the Dringing Hear's study of that glass haring dispersion point outside for the following one is several and from an administration connecting conductation of leadings (p) and Colombia that that lengths of the territories.

## Soletten

For a horses on

If I've the bodd booth of the subsecubly specification, then

$$\frac{1}{F} \cdot \frac{1}{K} \cdot \frac{1}{K}$$

$$= \frac{1}{26} \cdot \frac{1}{K} \cdot \frac{0.6}{K} \cdot \frac{0.4}{K}$$

$$= \frac{1}{26} \cdot \frac{1}{K} \cdot \frac{0.6}{K} \cdot \frac{0.4}{K}$$

$$= \frac{1}{26} \cdot \frac{1}{6} \cdot \frac{1}{6}$$

Thus, the final length of the exercising for correct here is so one and that of Hereging is account him to the ex-

## Expansio 47

This infraction indices of errors place for red and files lights are a per and a per supporting and the accomplishing value for James files place and only only takes. That the filed images of the accomplishing to the design of a decomplished by the control of t

#### Bulletian.

$$\begin{array}{c} \text{Res}_{A_1,A_2,B_3} = 0.005 \\ \frac{\mu_{A_1} - \mu_{A_2}}{2} = 0.000 \\ \frac{\mu_{A_2} + \mu_{A_3}}{2} = 0.000 \\ = 0.000 \\ = 0.000 \\ \frac{\mu_{A_2} - \mu_{A_3}}{2} = 0.013 \\ = 0.000 \\ = 0.000 \\ \end{array}$$

#### For advanced distribution

$$\frac{(N_1 + \frac{N_1}{N_1})}{(N_1 + \frac{N_1}{N_1})} = \frac{(N_1 + \frac{N_1}{N_1})}{(N_1 + \frac{N_1}{N_1})} = \frac{\frac{1}{N_1} + \frac{1}{N_1}}{(N_1 + \frac{N_1}{N_1})} = \frac{\frac{1}{N_1} + \frac{1}{N_1}}{(N_1 + \frac{N_1}{N_1})} = \frac{(N_1 + \frac{N_1}{N_1})}{(N_1 + \frac{N_1}{N_1})} = \frac{(N_1 + \frac{N_1}{$$

## Lincoln All

The effective takes of a place occasion to the region and to the sof light. The ratios of occasions of the social surface is a to our. But the appendix between their and set less of the law.

## Beliation:

## Annually for less mallers from the

$$\begin{array}{c} \frac{1}{F_{c}} \cdot g_{c} - \eta \left[ \frac{1}{A_{c}} + \frac{1}{F_{c}} \right] \\ \frac{0.6 - 0}{0.6} \cdot \frac{0.6}{0.20} \\ \frac{1}{0.6 - 0.00} \cdot \frac{0.6}{0.20} \\ \frac{1}{0.6 - 0.00} \cdot 0 \cdot \frac{1}{A_{c}} \cdot \frac{1}{A_{c}} \\ \frac{1}{4 - 0.00} \cdot \frac{0.5 - 0}{4.2} \cdot \frac{0.5}{4.2} \end{array}$$

In E - Call to Departure formers with and red best E - E + Sapt - Sapt - Salt in

## 4.5 spherical above the



## Child Miletel Mession

in these  $y_i$  [Lin\_i, 22] more than a more of the medicine and  $x_i$  [the palment of the polarization of  $x_i$  is part question amount in all  $x_i$  [the first where  $x_i$  is  $x_i$  and  $x_i$  is  $x_i$  in the palment of  $x_i$  and  $x_i$  is  $x_i$  in the palment of  $x_i$  and  $x_i$  is  $x_i$  in the palment of  $x_i$  and  $x_i$  in the palment of  $x_i$  in the image of  $x_i$ . In order to the same of  $x_i$  in the palment of  $x_i$  in the image of  $x_i$ . In order to the palment of  $x_i$  in the image of  $x_i$  is the image of  $x_i$  in the palment of  $x_i$  in the image of  $x_i$ . In order to the palment of  $x_i$  in the image of  $x_i$  is the image of  $x_i$  in the image of  $x_i$  in the image of  $x_i$  in the image of  $x_i$  is the image of  $x_i$  in the image of  $x_i$  is the image of  $x_i$  in the image of  $x_i$  in the image of  $x_i$  is the image of  $x_i$  in the image of  $x_i$  in the image of  $x_i$  is the image of  $x_i$  in the image of  $x_i$  in the image of  $x_i$  is the image of  $x_i$  in the i

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Longitudinal Scheroski Oseration, The equation formed 1, and 3, or the rate is used to the longitudinal referred elements.

Lateral Spherical Aircrafton. The value of the raids in fast contains is called the lateral underland referentian.

The spherical alreadons predicted by a canonic lead in classes in Fig. 415. The spherical alreadons assumed by a canonic beauti support while the profused by a control lead to profuse.



## Spinetral Alexandres Day to Enfourtee at a Spherical Surface

as do not by \$\overline{\text{Tile\_1, \text{\$\overline{\text{\$\end{\overline{\text{\$\overline{\tank}}}}}\text{\$\overline{\overline{\overline{\text{\$\overline{\text{\$\overline{\text{\$\overline{\text{\$\overline{\overline

From the triangle CPF, we have

The arm Spherical observiors through the advantage and position

And a summarise of the State of the great and the state of the state o

For ephastical case in the finiting was  $k-\alpha$  and mc and mc local to occur, so that the head hough of potential ways

$$A\left[1+\frac{1}{\mu-1}\right]=\frac{\mu A}{\mu-1}$$

Thursdoon, this illestage in triand largely but it compressionared by the orbital train is given by

$$f_p - f_n = \frac{\mu k}{\mu - 1} - R \left[ 1 + \frac{1}{\mu \cos \nu - \cos \nu} \right]$$
  

$$R \left[ \frac{1}{\mu - 1} \cdot \frac{1}{(\mu \cos \nu - \cos \nu)} \right]$$

This elemen represents the quiterred elements consent due to extraction at a spherical portion of selection of contractor R and estimative below a. The observangement can be simplified to the ORO-shape approximation.

$$\begin{array}{c} t = \frac{1}{2} \frac{\frac{1}{2}}{R^2} \\ = \frac{\frac{1}{2}}{R^2} \frac{\frac{1}{2}}{R^2} \\ = \frac{1}{2} \frac{\frac{1}{2}}{R^2} \frac{1}{R^2} \left[1 - \frac{A^2}{2A^2}\right] \\ = \left[1 - \frac{A^2}{2A^2}\right]^2 - \left[1 - \frac{A^2}{2A^2}\right] \end{array}$$

$$\begin{aligned} &\min_{\mathbf{r} \in \mathcal{R}} \sqrt{1 - \sin^2 r} \\ &\left[1 - \frac{d^2}{dr^2 d^2}\right]^{\frac{1}{2}} = \left[1 - \frac{d^2}{2dr^2 d^2}\right] \end{aligned}$$

Executing the extent of our body over the Digital Philippe

$$g \left[ \frac{1}{\mu - 1} - \frac{1}{\mu \left( 1 - \frac{k^2}{2\mu^2 2 \ell^2} \right) - \left( 1 - \frac{k^2}{22 \ell^2} \right)} \right]$$

which is requilibries sink?

$$\frac{d^2}{2(\mu - 1)^2 f_{\pi}}$$

$$J_{\mu} = \frac{UR}{2\pi r^{2}}$$

where the state of the state of

Reflected Absention for a fills Lam. In Eq. (a.m.), the tests in 1 of the observation of administration and administration of administration and a state of the contract of th

$$\frac{L}{f} = \xi \mathbf{i} - 0 \left( \frac{1}{K_0} - \frac{1}{K_2} \right)$$

These has appared absention depends upon 10 the release to hides of the hare motions and 10

$$\beta \left[ + \frac{A_i}{R_i} \right]$$

the despite factors and the feet

The first beginned by 13 library

street, dit a more als said No pure i represente

$$3a^{1} + 3(a + 2a^{2} - 2a^{2}) + 3a^{2} - 2a^{2} + 2a^{2}$$
  
 $2a^{2}a + 2a^{2} - 2a^{2} + 2a^{2}$ 

For calculated all activities in the bossimosis.

The related by the meaning deposition upon the integer ferror \$1, becomes for the proper price of \$1.

$$\hat{p} = -\frac{1}{4} \operatorname{tor} k_i = -\frac{X_1}{2}$$

and B<sub>c</sub>, the spherously phenomena can be unincontect. It this few foreign has a minimum spheroisal advantage for a given approve, and found has

has a minimum sphariad absention for a given appears that four laught hints a law in solid a present law. For a place commo law, 6 is a fire which the polarical abstraction is gate close to its abstract value and checking, a place which law is modify used to written gibraried discretion.

## Mississippe of Spherical Absorbing

b. to not provide to obstante upine tall absoration completely. Thereto, by using the following newlects to be an executived.

Of By Diang Ninger. Splitter of demonstra one in natural by selecting the appearance of the form using strong. The very most man for each flux is other binds throughout reports of the premise strong Norman. An introduced with mixing the strongs to that distributes the moment of light pressing through the form, distributes in the instant.

$$3-\frac{K_1}{K_1}-\frac{1}{2}$$

20 St Dong Greened James So like her will shape before

Ger für entried best bis sphermal description institutions. A session lies in short to Exp., and, Ser spiritual offerencies, or general, the sure-inversel medicine description from the freshere or emergence bears of layer, a delution or in more paraellel to the axis. 25 malory promoted bears, the aphrenical description without but to an imaginary existence of . They protocol to related the designs of the layer or interapple, and at the estimatest. They protocol to related the designs of the layer or interapple, and at the estimatest of the protocol description of different changing the formal design of the lawer. In other laters was take from this part of the layer of the layer of the layer. In other laters was taken to be the layer of the lawer in other laters and the formal layer of the laters and the laters are the later of the laters and the laters and the laters are the laters are laters.

State

1990 By Colog Plantonessen, Leitzer, Flantonesse beam not used in spitch lasersmank in reduce spherical absorption. It has been observed that the substitute attention by proportional to the square of the total derivation proximed by the least. See 3 and 5, but the obstitution proximed as the re-mailtener of the beat and 6 in and denotes positive by the last in the  $T+E\to T_c$  This, against obstimate

Config. aphental references of the existence of set  $\theta_i = \theta_{i+1}$  i.e., the deciston is aqually fitting at the true content. In explorar arrange the decistories is officially thereof in the confine  $\mu$  which is content with a content  $\mu$  in the content  $\mu$  is provided from any timescales in the set and existed determines as tile provided in  $(x_i, y_i)$ .

No openior develops on his estimated by using mount law. Fining Eq. (j. or) to the extend law. List hand that the





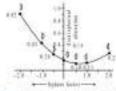
The same Sphilatest Albertamen has a phonormorphism.

$$\frac{R}{R_0} = \frac{1}{6}$$
 $\frac{R}{R_0} = \frac{1}{6}$ 
 $\frac{R}{R_0} = \frac{1}{6}$ 
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The except limit is marriy three merces in term (c) and (b), and contribute to some (0.1.4 plane control limit plane (0.1.4 plane control limit plane) and a silic in taked the extraterous principal electronics.

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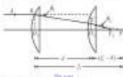
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good  $\mathcal F$  of bodge h, and politics a densities  $\frac{h}{h}$ . The denset on a discount results  $\mathcal F$ , the anomal band point of L. But it collects product declaring a L gives by

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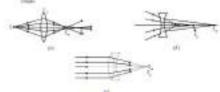
$$\frac{6}{A_c} = \frac{BQ_c}{CQ_c} = \frac{Q_c F_c}{Q_c F_c} + \frac{A_c}{A_c - A_c}$$

How by transferd tally by per-

The state condition to extend when a second

not be Union a Scoolike Contact and Contact Lane Strakler, Schoolid abstration for a resource last is positive, while that the resources hour is positive. We using a soluble restitionies of scores and economics and applicabilities who sun/hardmented

Clinic Lin Cirl stown the administ absorption that to a resonation, the energical strage low left of the periods trough, while it was of a country loss that the congress image to on classical order of property image. By using a natural exemption to The agency of the two faces, the spheroid electrics can be exceeded. The problem with this conditioning is that it works sufe for a particular pair of closes and



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Dr. s.dt Fees

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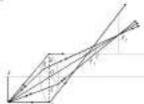
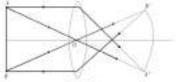


Fig. 4.77 Adaptorium.

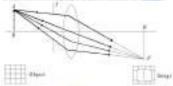
Adjusting on he common to usus to propositions. Seem tel course bean probes stigned in all agents rather had devices it is proble to observe this intend for realizing our oil a collected process and a measure look, expected lines process distance. Duch a precisioning of lawer to solvel entirests from and in used to distributed to the

(65) Curreture Do to the latter, the image of a fire two-distingual object baseing served. The is phone in the audit where AS is a flat two phonesional stimes and A.F. to Strage. The commod Non-Safest to the first broad length of the busifor particular from becomes proper than progress reso. This delice set for respond to substance in security appears had being to forced another and the  $\mu/2$  and categor attages associated loss with expressed one of the depth plane.



Daniel Develope

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Suggests: If a lightest more popular most be an object [The, a trade of these a long with Ole-Adjut produce to large as shown in Fig. 4, 4500 below become or positive shaped distributed at all observe in Tay a point configure the property of required placed distortion. Disposition can be displained by order a biox conditional analysis preferances should be regard recommon insurabundant on be used the regard this book!



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## Solution

EV is the best burget of the conditioning from

go on. The continuous has no descently district and various given decided as assuming that both the leaves on take up of the state mass of the flat the value 
$$g(f)$$
 and  $f$ .

Solutions

$$\frac{1}{F} = \frac{1}{K} + \frac{1}{f_1} + \frac{1}{f_2} \\
 \frac{f_1 + f_2 - d}{f_1} \\
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 \frac{f_3 + f_3 - d}{f_3} \\
 \frac{f_4 + f_3 - d}{f_3} \\
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 \frac{f_6}{f_6} \\
 \frac{f_6$$

$$\frac{\frac{M}{2} \cdot \frac{d}{2} - d}{\frac{M}{2} \cdot \frac{d}{2} - \frac{d}{2}}$$

Street, but no

$$\frac{369}{3} = 68.87 \text{ cm}$$

$$\frac{54}{5} = \frac{1 + 240}{2 + 1} = 100 \text{ cm}$$

$$\frac{4}{5} = \frac{220}{2 \times 3} = \frac{100}{2} = 21.31 \text{ cm}$$

## Description 4 or

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$$\frac{1}{F} \cdot \frac{1}{K} + \frac{1}{K} - \frac{s}{KK}$$

$$= \frac{1}{10} \cdot \frac{1}{3K} + \frac{1}{K} - \frac{5K}{3K}$$

$$= \frac{1}{10} \cdot \frac{1}{3K} + \frac{1}{K} - \frac{5K}{3K}$$

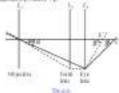
$$\frac{1}{4K} + \frac{1}{K} \cdot \frac{2}{3K} - \frac{1+1+2}{3K} = \frac{2}{3K}$$

## 4. Englishers

In spirit, Ventromoto sodo in tritroque and mirromosa, in elimina lore lares de religio que lares un caspo el des chies chies de lare qui des resentes des lagla l'insu la districto les mais larest for magnified image. An imagé immed le s. lore suffere livre yen parte deliren (i planearis almestras card (1), spiritud describis. To orientes chromatic describes an administration manifestate el larest transit de la companya de la companya del la companya de la facilitate and respecto and chiefs, borrows, sufferes describes al la companya del la companya area an and chiefs, borrows, sufferes de l'add of des card the amount of light mariting de sertem and companya de la companya del la

To become the despitation of the longe and described or time, as phillipsid has no immegnetically larger approximation in an infection in plantal fundament, the objective and the rate from The field has used the up-time regarder association on approximation and the immediate a simple is loss, as a explain learness. The delited time and infections of the image. The test forms of procupation are as included the time and infection in addressed and of the sine operation also approximation.

In  $2k \ge k \le k$ , k, and k, are the objective laws (Self laws and our laws proportion). The lawses k, and k. Unperfore somethings in equations. The element ray that and to influend k is the exciton k. In the advance of the field law k, k, and the same part of the field k in k. The law pointing to the same k is k in the field k in k, and k in k in

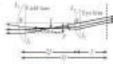


Print the place discussion, we can conduct that facilities: (i) between the angular closer that it is brings the early of the cat paged used the real last sold indicates the entrance for the cat page of comments their goes of comments their goes of comments their goes of comments.

#### a milecular of a talegroup.

Consequence & commission of two photocomes forms from a found proof largetic to the ratio y x 1 gr and it and the financial belongs often in other in the difference to their train I require (ii). The final largets and the positions of the two learns are such that the implant is a decreased and the film applied (describe, yo, therefore and approach therefore you distribute. Sense may not train of Food larget; and frequenced by y of must end of this selection.

The entrapezons of the losses is shown in Eq. (2). De photo-coord leaves until the simulation of minimum polarists of deformant observants. The roots of the design date for incident fine from the first the photonic field of the fines, then the incident time. The the photonic field of the fines, the first polarists is consistent for two lates are in equal to the difference of their fived losses. For Photonic regions, the appearance increases the teach of a difference of these field on the first polarisation of the teach of a 2f - 2f - 2f libers, this equalities extends the condition of extension abstract abstraction.



Dr. J. G. Rosse's region.

For the elements absention to be unintense; the expension between the two instant many in the many of the two boards. For Exempt's common, the expension business that

from the price the expension and section for modified for external formation for matter.

We find the three to  $\Omega_{\rm c}$  in  $\Omega_{\rm c}$  points in section of the distance data beam of the first term of the first

primag 
$$f = \frac{1}{4a} + \frac{1}{4}$$
, as the law beyonds  $\frac{1}{6} - \frac{1}{6} - \frac{1}{3}$ , as the

Thronton, the expires is in allies of the dee leage being by the infection of bitmaps or

where each  $\alpha$  is distance.  $\frac{\alpha}{2}$  there the field beat. This serves also extend dispersion for the field beat and distance in the most of 1 is the holoton.

Became in section in the contraction of the sequence improves became the end becomed image. I through the relation of the relationships in the contraction of the con

Cardinal Police To time toget, F. Artic continues of McCinc and society in

$$\frac{1}{F} \cdot \frac{1}{f} \cdot \frac{1}{3f} \cdot \frac{2f}{3f}$$

$$= \frac{1}{F} \cdot \frac{1}{3f}$$

$$= \frac{1}{2f} \cdot \frac{1}{3f}$$

Prince Principal Funds: If the distance of the the held better

$$\sum_{i=1}^{p+1} \frac{f_i^{ij}}{f_i}$$

$$\sum_{j=1}^{p+1} f_j \approx 2f_j$$

$$= 3i$$

This the first product anter P is in a distance of two the first for field (this two shortes light Second Principal Points P, here a firmed E better becomes

$$\frac{FI}{\Lambda} - \frac{\frac{k}{2}f \times 1f}{M} + f$$

This characterist or beign coins F. In any although a from the see less consists the left Max the world primer accounts with the principal points on the content in livers



Not York Price: Do come of the first heal paint. From the line having precise

$$-\frac{J}{2}\left(1 - \frac{d}{f_1}\right) - \frac{3f}{2}\left(1 - \frac{2f}{f}\right) = \frac{f_1}{2}$$

The Hallest had point filling a a distance tion to first last trouble right

Broad Fard Paint: The second trial paint P. Sec. a distance

points to reads the right. The point is at a linear 
$$\frac{2Z}{Z} = J = \frac{Z}{Z}$$
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for 
$$\phi_{F}$$
 into form, the first image in hills to  $f_{F}$  the final length of  $\phi_{F}$  lens to  $f$  and the distance  $\frac{2f}{f}$ ,  $\frac{f}{f}$ .

between dies der Senten 10 territorio de la constitución de

The burget Princeton by the distriction and as the object to the tital from Levis by a facilitation of Direction story (Investiga, 8 to time that:

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Thus, for second principal point F, to at a distance 2 constal job of the earl law. New the

First Soul Front F. 3 of a Strain ... To discuss of print P. Soul Stages of the continuation from the first principal print research but. The discuss of print P. Soul Station. See to give be

$$IF = F\left(1 - \frac{d}{f_1}\right) + \frac{M}{4}\left(1 - \frac{M}{2f}\right)$$
  
 $-\frac{M}{4} \times \frac{1}{4} = -\frac{f_1}{4}$ 

The Selectoristics or flow. 4 Year to feld by course by.

Second Field Petal F, list of a firmure of T town the second principal unity named right. The distance of petal F limbs for annual leads prime for

$$F\left[1-\frac{d^{2}}{d}\right] = \frac{3f}{4}\left(1-\frac{2f}{3f}\right) = \frac{f}{4}$$

Thus, the record Cond point to any distance At a front the one loss invocability with with

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Standar's Departs

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non-the set plant to C at a finance. " to fine of the first little was it is present and in the Albumps of a squitmentner.



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## Autorion

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$$\frac{1}{4}f + \frac{3}{4} \times 3 + 125 \text{ m}$$

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## Schriden.

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$$d = \frac{M}{3}$$
Herd, v.t. shad
$$\frac{1}{f} = \frac{1}{f}$$

$$\frac{1}{f} = \frac{2f}{f} = \frac{2}{3f}$$

$$\frac{1}{f} = \frac{2f}{3f} = \frac{4}{3f}$$

$$\frac{M}{4}$$

1. Thank brought of a single boss.

$$\frac{4f}{3} = \frac{4\pi^2}{3} = 4 \text{ cm}$$
  
 $\frac{4f}{3} = \frac{2\pi^2}{3} = 4 \text{ cm}$   
 $\frac{2}{3}f = \frac{2}{3} \times 4 + \frac{4}{3} = 2.67 \text{ cm}$ 

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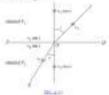
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However, Secretary in 6000 is E(x,y), by P and y be for further of the region of authors observable pointing  $F_y$  and  $F_y$  because  $F_y = C_y$  and g and g be the whether of the theory of the region of the transfer of the region of the transfer of the transfer



$$= ev_1^2 + V_2$$

$$s_i = \sqrt{\frac{2F_{ij}\nu}{m}}$$

Titulise's, in the second region, relieful of the electron is given by

$$s_1 = \frac{|\mathcal{B}|_{p^p}}{\sqrt{n}}$$

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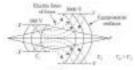
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$$\frac{\sin z}{\sin r} = \frac{r_1}{r_1} = \sqrt{\frac{\Gamma_2}{\ell_1}}.$$

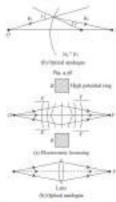
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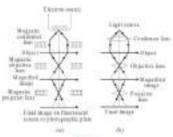
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- regression for the same interesting that (a,b) as infinity and (b) as finite discusses. On takes became that it disposed:
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- 44 Web in an employ? Oring a ministic diagram, explain the all-empts of many an employ west antique on less.
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$$\lim_{t\to\infty} \frac{24}{t} \operatorname{CR}_{t} \frac{\frac{1}{2}}{t^{\frac{3}{2}}} \operatorname{IM}_{t} \frac{\frac{1}{2}}{\operatorname{id} \operatorname{etholog}_{t,(1)}} \frac{\frac{1}{2}}{t^{\frac{3}{2}}} \operatorname{CR}_{t}$$

## Unit III

1

## Lines

## 6. HYTOORCHINE

The new LATE, result for July's depthinance by Directoral Tectories of Radium. No. Results and the second of the Radium Radium

## Characteristics of Lour Light

Like ordinary light, base light in iderivorangentie in mainte. Movemen, these are the chicementative of laser light into presented by the necessal light: from all lines electromisties of laser light are maintened believe.

$$\frac{g_0\beta_j^2}{\sigma^2} = \frac{\pi \times (6 \times 10^{-6} \text{ m/s}^2 \times (5 \times 10^{-6}))^2}{(2 \times (6^{-6} \text{ m/s})^2)}$$

$$\left(\frac{3\beta'}{\sigma} + \text{collision of control maniforms}\right)$$

which is expensely specific

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Ar.

to defined by  $\frac{1}{2}$ . For specime monostromaticity,  $d_{\Delta} = u_1$ , which is an associative to generate, beet the  $x_1$  to  $x_2$  in proofs a molifier for Lance contegral by sufficient light. For our ordinary light  $\lambda_1$  is a full thin surface of our - Big released for a Linux, for this surface of gave the - Time, let Eight all overlaings  $b_1 = 1$  to the - Lance -

$$\frac{3r}{r_0} = \frac{3 \times 10^{14} \ \mathrm{Hz}}{10^{14} \ \mathrm{Hz}} = 2 \times 10^{-1}$$

manufacturers of a Street Sub-

$$\frac{3a}{v} = \frac{500 \text{ Hz}}{5 \times 10^{10} \text{ Hz}} = 10^{-11}$$

erocolationists of law light.

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$$\frac{P}{Amn} = \frac{P\pi^2}{\pi k^2 f^2} = \frac{1 W}{2.0 \times 10^{-15} cm}$$

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## Extragée 6.5.

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## Balantee

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## g.s. Absorption and ninimise. Experiments and atmobined of radiation

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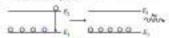
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In security contact, the aboriging present strongly departule on the females of the understand and the incident inflation (while such that marries of street. As in the general state of Adverging decreases for married of general state manual Plan in branch time to higher energy dated with a sense of

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It this process is one phases of the same frequency phase, probabilism and director of propagation as the strendering printer, is promoted. Thus no tecoming photos reggers for provision of on additional photos Contrary to territories, instalas, afterior radiance is alternal in the tends of instance. This topics, that effect an assor is extended to acid fight away to so incides con, for Humani Table aways with upto the corn in a members manner providing extellibration of light. This presum of light propilibration in the basis principle of the device radial Little what smooth for Light Logistication to Biredad Station of Relation filial propagate printing streams. attainable in Higgs IV propositional to this country density to, of the entering buildings Bible files, extending emission care R. torreagns with the increase in contact IT, or excited abusin. The part of principles inclinates is given by:

$$\left(\frac{dN_1}{dt}\right) = B_1 \mu N_1$$

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## 5-3 Saladan Retroom Flanteig's Coefficients

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References that begins but to good full

where M, In the papersons to the greater one off it will be the following consists and I also placked responses. Pres dis more transfer in it was that the proposition is received in the provide a per decrease approvided or one per to higher every date. The one continued nomes, many Bolisman despisation law, on how

$$\frac{V_1}{V_1} = \frac{e^{-k_1+k_2}}{e^{-k_1+k_2}} = e^{-kk_1-k_2+k_2}$$

$$-V_2e^{-k_1+k_2+k_2+k_3}$$

$$-V_3e^{-k_1+k_2+k_3+k_3}$$

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$$\frac{A_{ij}}{a_{ji} \left[ \frac{A_{ij}}{A_{ii}} e^{i\omega + T} - 1 \right]}$$

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## 5-4 Prepalations for receive

transfer as aptical and the factory to energy count E, and E, E = E. In the granistics, N and N, respectively. Visit is the special multiplicate, Bulletina Ball Marine for require N > N, i.e., the parameters of the factor of the factory reservancy and N and N appears that the N in the factor of the fac

Films articles it passed plength for collision, it may give then construct absorption of continuous posterior rece. Dark absorption process articles are seen of the process of the continuous conti

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$$\frac{R_{ab}}{R_{ab}} = \frac{B_{b}\mu N_{b}}{R_{b}\mu N_{b}} = \frac{N_{b}}{N_{b}}$$
(3.00)

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- 48 N. R., That is, population of the present the present store in legion than that to the measured mate, \$1,000, was, absorption in discountered and become also executely of lateral processing and present and present and present also.
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## Arthroping Propoleton Inversion: Propolety

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- (v) Percet Convergion: In controllers have not high acting finds. LCO: drawt convenient digitized super-row reduction when there.
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## Description 2-4

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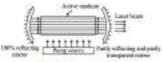
$$\begin{split} \frac{N_{b}}{N_{b}} &= \frac{N_{b}}{2 \cdot (1 - k) \cdot 10^{12}} \\ \frac{8c}{k} &= \frac{8.8 \times 10^{12} \times 3 \cdot 10^{12}}{1.6 \times 10^{12} \times 3 \cdot 10^{12}} = \frac{13606 \times 30^{120}}{k} \cdot 4k \\ &= \frac{12606 \times 10^{12}}{6493 \times 10^{12}} = 1.79 \\ \frac{N_{b}}{N_{b}} &= \left[ \frac{1.78}{8.61 \times 10^{12} \times 360} \right]_{\rm empt}, \end{split}$$

## 5.9 Congruents of a Louis Season.

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  (2) on energy conic or the participary content which exists the atomic to higher measure rate, and lawton the production of contents.
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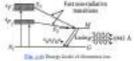
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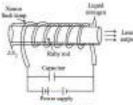
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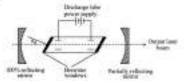
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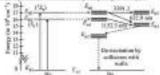
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It is post to non-leave uprint when a strong bear of laws light increase with a medium is principal the matters. The pulses area F to great to

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# Fibre Optics

#### BATTERODE CTRUS

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## Light Propagation in an Entered Prints

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- (i) The light cores alread by preparating from an equivally these reading m a
- (1) You ongle of transmiss a doubt the present than the extend angle of terribones.



Fig. 3.4: Presidents of Tale to optical files.

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$$\left( \phi > \phi_1 = \sin^{-1}\frac{\mu_1}{\mu_1} \right)$$

the light not collected repend total blanch reference as year.

Salding braides

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$$443^{-1}\left(\frac{1.47}{1.50}\right) = 78.3^{\circ}$$

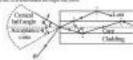
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The maximum constable togeth to the filter and it which high entering the cost is transmitted from the filter in which the comparisons empire. All the new translant or the filter is on any present than the per-positional. Lim. This prospersion single to intend to be a perturbable filter and different the different filter and depends on the contention of one and disabling and one distance. From measures or maniformities, it is not be seen fined to consequent quite or this maximum are form

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## 6.5 Nemerical Agentury

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$$\frac{\partial \lambda_{i}}{\partial [a_{i} - \mu_{i}]} = \frac{\partial \lambda_{i}}{\partial [a_{i} - \mu_{i}]} = \frac{\partial \lambda_{i}}{\partial [a_{i} - \mu_{i}]}$$
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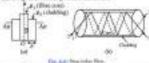
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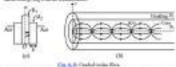
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viters, a median of the constant to the consingly be the special Are, as the constant is injection is given by

$$\frac{1}{\sqrt{2}} \left[ -\frac{1}{\sqrt{2}} \right] = \mu_{\chi \chi} / 2 \Lambda$$

$$\frac{1}{\sqrt{2}} \left[ (V, \xi) = \frac{2 \pi \omega}{\lambda} \mu_{\chi} \sqrt{2 \Lambda} \right]$$
(2.4)

The continues contributed baseling Facility 68 (from a

If F ≥ 10, 60 minimum number of posts (§24m) in F<sub>10</sub> + 10m, h san F = 1,200, out; our mode on the exported for the files and such a flow to what shigh posts than 10m to file for the contract of the COOTS, F = 1,200, The averaged management in F = 1,000 and the first exportance.

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## 8.1. Modes of Propagation to optical Pho-

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Retrial Nation on the feater of the modes of propagation, are climitful as 10 Stephnicol. The MINO and Co Meltimode filter CENTY, A pagin mode filter has a resulter over-dissense while a mode mode filter has a large core dispense. A continuous step-index filter has a dissense of 50 for

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#### Expressive 6.4

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#### School .

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 $\sin^{-1} \frac{F_2}{F_1} = \sin^{-1} \left(\frac{1.4}{2.45}\right)$   
typical angle,  $t_1 =$ 

Plactical adaptive toler

$$\begin{split} \frac{\mu_1 - \mu_2}{\mu_1} &= \frac{1.43 - 1.4}{1.43} = 0.020 \\ &= \frac{1.43}{1.43} = 0.020 \\ &= \frac{1.43}{1.43} = \frac{1.43}{1.437 - 0.05} \\ &= \frac{1.43}{1.43} = \frac{1.43}{1.437 - 0.05} = 10.01 \end{split}$$
where  $V_{ij}(\frac{1}{2} \times 10017) = 1007 \times 1007 = 10.017$ 

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#### Exemple 6.0

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## Bildelin.

$$0.2, s_1 = 152, s = \frac{25}{2} \sin s = 12.5 \times 10^{-6}$$

$$\frac{25s_0}{\lambda} A_{2} = \frac{7 \times \lambda \cos(2.5 \times 10^{-6} + 1.5 \times 10^{-6})}{1.2 \times 10^{-6} + 0.2} = 12$$

$$\frac{27}{\lambda} A_{2} = \frac{7 \times \lambda \cos(2.5 \times 10^{-6} + 0.2)}{1.2 \times 10^{-6} + 0.2} = 12$$

$$\frac{27}{\lambda} = \frac{0.27}{2} = 72.$$

## Exemple 6.7

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#### Bulletine.

$$=\frac{\frac{2\pi a}{3}\sqrt{\mu (1-\mu )}<2.486}\\ =\frac{2.4865}{24\sqrt{\mu (1-\mu )}}\\ =\frac{2.4865}{24\sqrt{\mu (1-\mu )}}\\ =\frac{2.480\times1008\times10^{16}}{2\times2.14\times\sqrt{0.475^2+0.485}}\\ =\frac{2.480\times13.546^4}{0.28\times\sqrt{0.0283}}$$

Then the reasons to believe a district.

## Example 6.4

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## Scherber

$$\begin{split} \frac{r_{\rm M}}{h_{\rm M}} \frac{N_{\rm M}}{h} & \frac{r_{\rm M}}{h} \frac{N_{\rm M}}{(r_{\rm M}, m)} \\ \frac{\Gamma_{\rm M}}{m_{\rm M}^2} & = \frac{2.606 \times 1.3 \times 10^{-3}}{3.14 \times 10^{-3} \, 10^{-3}} = 0.00857 \\ \frac{r_{\rm M}}{h_{\rm M}} \frac{r_{\rm M}}{h_{\rm M}} \frac{r_{\rm M}}{h_{\rm M}} = \frac{1.00857}{h_{\rm M}^2} \\ \frac{r_{\rm M}}{h_{\rm M}} \frac{r_{\rm M}}{h_{\rm M}} = \frac{0.00857}{h_{\rm M}^2} \\ \frac{r_{\rm M}}{h_{\rm M}} = \frac{0.00857}{12 \times 10^{2}} = 0.0022 = 1.2 \times 10^{2} \\ \frac{R_{\rm M}}{h_{\rm M}} = \frac{r_{\rm M}}{h_{\rm M}} \\ \frac{R_{\rm M}}{h_{\rm M}} = \frac{r_{\rm M}}{h_{\rm M}} \end{split}$$

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## 6.0 Whereasther is Report 18-ex

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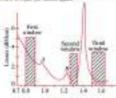
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20 Villa has the to extrem electron, by alternative due to beginning with it. the main minor of him in optical film. You inserting type of importing pix the marries asked instruct the had and old it tous. The teaching mend trajective radias So, Co, V. So, Nr. Mis and Conform stringly to the value of innext. House, Its. The sould be the free Sea Sea Squatter a record; shorters, i.e., by the elections about photos: to go to the lugber easing stops. The tripped Will was it the marketed, whoods on it ask, it as well it to some off, to the entire of behavior tall, it said to support with the English. Therefore, the present of OM tree should be established. more the hand believe to be part one resulting instead.



Washings-bross

## The Real Print I make that to the Advan-

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## 6.7 Dissessment to Opened Filters

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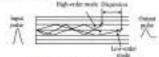


Fig. 8, and Disposition in multi-mark-step hashes filters

The Law Street Copyright Transport

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# MARKET

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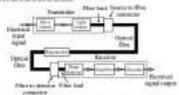
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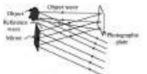
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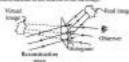
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# Unit IV

8

# echanies

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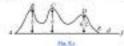
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"Did to the during to the total energy of the proble to next of the polyhenergy remains conserved. Thru, the last of sensimative of energy healt good to the cost of held sensimative and solvaineriughai Anac.

#### Exesteph 5.1

In the No. a covered work is observe on which a power of storage at to exercise, all the point if the Enteronal valueby of the graph is it. James the trade to be historian, yearly in the rights if its F of length is tall Plack the velocity of the many at the point Cost is the Calvillan the classical Assistant or regional to into the mass of IT. In the extending protocol between the operating at post



# Bulletino

(All River's specify of the point found of the

Directal senses of the point sense in If.

. You carry of the most space of it.

Nine is C'he printiel inerge di fin partifici he amo us tha et E flander, tis principle et ineue ratin di sange requise that in binata stange is also his amo et ar tribag tis mill amog remarrat. Bassa, lis ratinfry et he man et Ca che amo et tribag tis mill amog remarrat. Bassa, lis ratinfry et he man et Ca che amo et Care. B.

ar D; the primarial aways of the mass is replict. Therefore, the pricople of conservation of pump, heplan than the manifely primarial aways right, it is recovered initiation country as in Them.

Directions of the print trace or in

$$\frac{1}{2} m_0^2 + \frac{m_0^2}{2}$$

House the reduction which they

$$\frac{1}{2}$$
 and  $\frac{1}{2}$  and  $\frac{4\pi q}{2}$ 

(2) At E. the potential energy is reduced to more, no whole of the energy to mentioners. Ex., to the reducity of the mass at E. Since

$$\frac{1}{2}$$
 and  $\frac{1}{2}$  and  $+$  and  $\sqrt{v_0^2 + 2gh}$ 

for the Pays opening Residentian regional to the play the passe of  $\theta$ . Then using  $\theta=0$  is the content.

Visa Eq.(3), the page 64-bestinates is:

# \$45 factor and protected compa

In physics, we come stress many situations in which we have the expression but the potential energy or a function of positive type forcood parameter every Cop = wigh, where principle energy (1) = 1,5 for 1 and have in faul the conceptoding have (grantened from Fig.) = -ing. whate term Fig. 1 = 20.1 To develop the appropriate relation, according to historing energies.

Consider the continue of a portrior along a rate or than the trace on the discount for Phil and the personal colongs. This may displacement that the pattern colongs on the continues of the attention colongs on the continues of the attention of the present colongs.

New consider that the parties pulsepose a world displacement in. The cost show to the boson Principle constant over the sixtance in. Triag In. 1816, we have:

That is, a manuse with a forest in the experience of the value of shought of potentials interrupe. The shows expression in market examination in characteristic for whose  $\Pi(x)$  charges regardly with x, i.e.,  $\Omega^{1/2}$  do in large, largest manuser of variable that the short payment of the short  $\Omega$  can be desired as given provide. Hence x is suggest that  $\Omega$  is the positive x discreptions and this experience of largest trans examples which when X is the positive x is the short examination  $\Omega$  is an experimental size. In this case,  $\Omega$  is the experimental point  $\Omega$  is the experimental point  $\Omega$  is the experimental and  $\Omega$  is the experimental point  $\Omega$  is the experimental experimental and the short  $\Omega$  is the experimental experimental and another interrupt  $\Omega$  is a restrict example of the experimental experimental another interrupt  $\Omega$  is a restrict experimental experimental another interrupt  $\Omega$  is a restrict experimental experimental another interrupt  $\Omega$ .

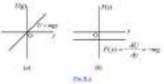
$$\frac{dU(t)}{dt} = -\frac{d(\log t)}{dt} + -\log t$$

which we know to the annual expression for the protectional force. The registron of Ulgo and Pige to depend to Use 2 of Consider control managed depend depth properties only.

which we have to be usual repression for the consequent for an ideal spring (their law). The

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# Conversation Form at the Deprime Confined of C (+ 1 F + 4)

We are used the previous demonstrates to other discontinual structure, where the partite states and to be a proposal structure in the proposal states and the demonstrate the last lasting proposals F, F, and F. Then the principal structure for the first demonstrates. We use on la, the first lastin and responses of them. The time recognition of the tree or place to

$$\frac{2k!}{\hbar \sigma}$$
,  $F_{\phi} = \frac{2k!}{\hbar \sigma}$ ,  $F_{\phi} = -\frac{2k!}{\hbar t}$ 

In the limits  $|x-x| \leq -\infty$  , |x-y| = 0 and eigeneiting the belowies as partial districtive in ring.

$$\frac{\partial \mathcal{L}}{\partial x} = F_{x} = \frac{\partial \mathcal{L}}{\partial x}, \quad F_{y} = \frac{\partial \mathcal{L}}{\partial x}$$

$$= \frac{\partial \mathcal{L}}{\partial x} + \frac{\partial \mathcal{L}}{\partial y} + \frac{\partial \mathcal{L}}{\partial y} + \frac{\partial \mathcal{L}}{\partial y}$$

$$= \left(\frac{\partial \mathcal{L}}{\partial x} + \frac{\partial \mathcal{L}}{\partial y} + \frac{\partial \mathcal{L}}{\partial y}$$

Thus, a coverage to the term is report to the security of which of particular expect.

Sec. (6) If you also have the first section of the security of the second of the security of the second of the

Start City justice differently

$$\frac{\partial U}{\partial t \partial t}$$
,  $\frac{\partial U}{\partial t \partial t}$ ,  $\frac{\partial U}{\partial t \partial t} + \frac{\partial U}{\partial t \partial t} + \frac{\partial U}{\partial t \partial t} + \frac{\partial U}{\partial t \partial t}$ .

- Berline

The condition from m(T = 1) implies the positions of a potential function D such that F = -pastD. D. they believe that and F = 0 is a non-experiment multitate maximization for a non-except both of time F.

#### Example 8.5

a partial in earling has potential range total \$1 a. a. i. th. a. (ii) where \$2 posterior partials.

- had Observe expensation for this best what it was
- (20 th what puts out) this have result?

  (3) In 12th a puts of state equilibrium? If you which the ratio of the inner constant.

#### Bulletter

Life Singer residence from

$$\gamma_{+} = \frac{dU}{ds}$$

$$= \frac{d}{ds}(d - \delta s) + Cs^{2}(-\delta s - 2C)$$

Then the beauty assumptions

197 The Serve of Control of the

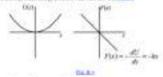
$$\begin{array}{c} \frac{dV}{dz} \\ \vdots \\ \frac{dV}{dz} \\ \vdots \\ 0 \text{ for each signification} \end{array}$$

$$\begin{array}{c} \frac{d^2V}{dz^2} \\ \frac{d^2V}{dz^2} \\ \vdots \\ \frac{d^2V}{dz^2}$$

Non-Corporate in positive dia year 20 mil the part of manuscriptorisms

From the registers F = B = p(2) (F = b(2), the classified per by the force registral

The venicion of potential single and from with transferring to the first



# La representation and new commercial to history

A form, the result done is related to displacting a particle features a patter to markine, depends only one than total and done from the markine to the stand or feature from the total or feature properties for added a symmetric feature for feature for the country of a speciment of added a symmetric feature for the country of a specimental feature for the country of the country o

All the control fronts and numerousline (sport, e.g., perceivatural and elementatic forms. Buth have not positive dependent stores, and the dependent on the international protect of the perceival stores and the first perceival store and authorized particle and report on the first international authorized due. The rook form is a conservative time to report the first protects (some first and transied authorized). The rook form by a measurement form is a cyclic protect (some initial and transied authorized).

In galand, inferity-dependent from La. the from trium magnitude depands mad the suggested and offenders of valuely. The Kingdo Motion and Stati consists are may conservable from high from consumption and the large to la law or illustrated or offengation from the conservation of the Manta and an area conservation from the form to inferiod of some Tale. fragment of no expliciting Tremmens for off only very-large fronts syrings into in channel mention, of proportion with congre. The forms generated in the healthst are unin-tonior vertex because the process in our mention.

Leavest three Jack W. M. Mit and recover dependent to represent the term is a direction promotion for the G. the interest that W. M. and the first the first of the parties which is "I handle the cold direction of the parties which is not directly and the cold of the parties o

Control Force - A Conservative Person Control or position deposition in our congruend on  $\Gamma$  v E(v),  $\frac{dv}{dv}$  below E(v) is a function of early tracked and  $\frac{dv}{dv}$  is a non-regime slamp or Ton model share for each arbitrary displacing a parameter time appears of an v parameter E(v) gives by:

The P<sub>e</sub> depends one to be the true of P in and the ortal and securing point. The is, the true II is a resident to true.

If it also has then the above the time only done to the horn If to accomp the particle has all to a strong only 12 a. La. It alread to

The above expression legalites that the world does by a commensation does ruling a charal part to see a Thickest to expressed on:

This is a distributed property of a constructed Area. In this, is accompated from it Acid. Acting any area by which the confliction than the monitory is now and a con-constructive structure. It is not by which have the confliction to construct the internative from fall, when the particle construction is not the particle for some library congruent control control. that below it partied, on that its shifter to the read in cooperant. While it is not not in the read if a Selections of the firm field.

# Evengile 6.5:

$$-q^{(g^2+g^2)}$$
, primes

A portion being to the co- is place what agent to a form of magnitude beinhere the original dimension recently the origin, and tradesing the week needed to be done to move the potent boar durings to the year to a sing the softer venue. It what is the week-lose if the particular from subsections of the efficient flower for the CC To the form a commentment

#### Selection.

All Purples on to be made the particle from the engin to the

 $X(nm), T \mapsto kr$ 

$$\left[ ds \, ds + \left[ \frac{ds^2}{2} \right] \right] = \frac{ds^2}{2}$$

Thos, the work three is b state. All Prof. Accords in rechting the poetrals bear-in, at 1000, 4210.

$$\left[k - t_0 dt\right] = \left[\frac{4x^2}{2}\right]^2 = \frac{k}{2} - 0 = \frac{d}{2}$$
 with

TWO do do see I to committy of the process of the part of the Co. Co.

$$\int_{0}^{1} dy \, dy = \left[ \frac{h \, y^{2}}{2} \right]_{0}^{2} + \frac{h}{2} \cdot 0 = \frac{4}{2} \text{ mass}$$

+ Self-math Told and does n

Store the most done is part in begunning, the term is a common own horse

# December 8.4.

Have the the following two behaviors come vertice.

# 100 Findman IAR-Aug - mile

the whole the each does not both to ment the securities from the securit \$10, \$10 to \$1. 16.50

# Substance.

Tors of furnit to be commented by the contributional by inco-

$$\begin{bmatrix} 1 & j & k \\ \frac{\partial}{\partial x} & \frac{\partial}{\partial y} & \frac{\partial}{\partial z} \\ \frac{\partial}{\partial x} & \frac{\partial}{\partial y} & \frac{\partial}{\partial z} \end{bmatrix}$$

$$\left[0 - \frac{\partial}{\partial z}(2\pi)\right] + \left[i\left(\frac{\partial}{\partial z}(z^2 - z^2) - 0\right)\right]$$
  
 $+ \left[k\left(\frac{\partial}{\partial z}(2\pi) - \frac{\partial}{\partial y}(z^2 - x^2)\right)\right]$ 

The decision  $F = h_1^{-1} + \sigma / k + \log k$  but represent to have the set of F = k.

$$\frac{d}{d\rho}(2\pi)(-\frac{d}{d\eta})^2 + i \left[ \frac{d}{d\eta}(2\pi) + \hat{x}^2 + \frac{d}{d\eta}(2\pi) \right]$$
  
 $+ i \left[ \frac{d}{d\rho}(2\pi) + \hat{x}^2 - \frac{d}{d\eta}(2\pi) + \hat{x}^2 \right]$ 

Herea. The bornet - Days and - arts - Dokes also is incominated from The visit data. If he is bugs it is displacing a body from a to all a given for

$$\begin{split} & \int (2\pi y + x^2 | k + y^2 | + 2\pi | k ) \left( dx | k + dy | + dx | k \right) \\ & \int (2\pi y + x^2 dx + x^2 dy + 2\pi dx) \\ & \int (2\pi y dx + x^2 dy | k + 2\pi dx) \\ & \int dy x^2 y + dy x^2 dy \\ & \int dy x^2 y + dy x^2 y \\ & \int dy x^2 y + x^2 x | k + 2\pi x^2 y \Big) \Big\{ \frac{1}{2} \\ & = \frac{1}{2} \left( 2\pi x^2 y + x^2 x^2 y + x$$

The recent has to be body a goods.

# Exemple 5.5

of any farmed of time, position of a portion for an in a month in April 2. There than the last contags on the particle of a community of time. April 2.54 (the expressions for their assess)

#### Selators.

Problem on wealth a panels

If or it this suggester value to these this position in leasant 1 to.

1 - Annual - Artest

 $\frac{d\mathbf{r}}{dt} = A(-i\mathbf{x}\mathbf{x}\mathbf{x}\mathbf{r})\cdot\mathbf{x}\mathbf{p}\mathbf{i} + A\mathbf{y}\mathbf{x}\mathbf{x}\mathbf{x}\mathbf{r}\cdot\mathbf{x}\mathbf{p}$ 

$$\frac{d^2 v}{dr^2} = \frac{dv}{dr} = -u(1) t \cos u(r) + A \cos u(r)) = -u(r)$$

No home of the particle from extent on it is

The treatment community is a Party.

of reliance his

(1) To reduce our

This, the first setting of the particle the observative form Theorem,  $F = -g \sin(t)$ , where U is the potential energy of the particle.

$$\frac{U}{\partial t} + \frac{\partial U}{\partial t} \left[ + \frac{\partial U}{\partial t} \mathbf{k} \right] + \frac{\partial U}{\partial t}$$
  
 $\mathbf{F} \cdot \mathbf{k} = -(1 - \cos t^2) \cdot \mathbf{k} = \cos^2 t^2$ 

these of the linear velocity of the particle, to booth every is proude.

$$\begin{split} &\frac{1}{2}\sin^2 = \frac{1}{3}\ln |\cos|^2 \frac{1}{2}\sin^{2} z^2 \\ &\times z^2 \sin z z^2 - z^2 \\ &\times z \cos z z^2 - z^2 \\ &\times z \cos z z^2 - z^2 \end{aligned}$$

This, the parent color total research of a servi-

# A giller of conservation of conservation

Distribute a particle of magains, whiching to the a Distribution of the product of the boson and Phonos salarity is called its information or Distributioning.

### Lines posteriors - pass v release, p. - col.

incombing to Newtonia assembles of feeding this are better order or a posterior it appeal to the deep tent of change of monomorphism of the particle.

$$\frac{d\mathbf{p}}{dt} = \frac{d(m)}{dt} = \mathbf{F}dt = d(m)$$

Ameginthal rethrespect to have, events.

where  $q_0 = g_0$  is the change in terms time, in the time interval  $L = C \log^{-1} - (1/2 e^{-2} \log 2 e^{-2})$ , in the computer of terms also less than the terms  $L = C - L \log 2 e^{-2}$ . In these counts, we change to the construction of a positive storage of the terms of the counts of a positive desirable of the counts of th

. Place the size both along time body is seen as feat-

THE RESERVE ASSESSMENT - PROCESS

Then in the absence of my named have, the expressions of a lock require reporter. Expendent the diversional to a present of two interesting healths, the late of presentation of techniques or plant. A this last conjume of these contract and a particle for the confirmation of the confirmation because it District.

metric lasting values in e.g., in suspectively. The total processings of the notice in

Differentiables with property in Figure

$$\frac{d\mathbf{p}_1}{dt} + \frac{d\mathbf{p}_2}{dt} + \dots + \frac{d}{dt} \mathbf{p}_t + \mathbf{p}_t + \dots + \mathbf{p}_t$$

when P. P. ... E are the torse sating on the portifier of inseason, a. . . . . . . respectively. The internal linear ear he arrise, but has remost being any change it. The communities, Sections for time period soul and appoints being the pre-track equal and apports change of minimized which -

$$\begin{aligned} \frac{d\mathbf{p}}{dt} &= 0 \\ 0.\mathbf{p}_{-1+1} &= \frac{dt}{dt} & \text{and denotes}, \\ \mathbf{p}_{-1}\mathbf{p}_{-1} &= \mathbf{p}_{-1} - \mathbf{p}_{-1} - \mathbf{p}_{-1} \\ \mathbf{p}_{-1}\mathbf{p}_{-1} &= \mathbf{p}_{-1} - \mathbf{p}_{-1} - \mathbf{p}_{-1} - \mathbf{p}_{-1} \end{aligned}$$

That is, the case of measurems Prescript courses, Allboarts, the individual values of p., at may change but the new reasons conditions. This is the last of processories of novembers and night to stated an unique the caster score of the restrong before purity space a scatter of smoothin, rescall sery, the sold Trans recognized of the quiete recognizations are time disconnical treet. progression being a street page 26, each compound (1) as a street it is conserved. The conserved to of linear engagement of a person to a direct communities of the resolutional forestorm of the principal purpor of the system.

#### 1.6-softense

The observer prosperior of the term sufficient is a best striking against shaffer. He what happenwhile the relation porting to appoint direction mideags on suchest or still de. Placement collision the size of little feet per investedly made specified or Mily special modified has not indepented if some a short flusteless for which energy and management of the invener to affected. The appropria harmen of a collision is that the control of redirections of representation of the nation takes place.

Gi Haare Coffinger Was the Science Servace for heller an expectative or that to translational universe is look or gaterial to the collisions, the total letters among on the potent to the most place the sufficiency below the in collision to pitch the kinetic provings of the provincia to conserved to eather labority sufficient. In cost is sufficient betracorni manero, sel s.

$$\begin{split} & = \mathbf{x}_1 \cdot \mathbf{x}_1 \mathbf{x}_2 + \mathbf{x}_1 \mathbf{x}_2 + \mathbf{x}_3 \mathbf{x}_4 \mathbf{x}_1 \\ & = \frac{1}{2} \mathbf{x}_1 \mathbf{x}_1^2 + \frac{1}{2} \mathbf{x}_1 \mathbf{x}_1^2 - \frac{1}{2} \mathbf{x}_2 \mathbf{x}_1^2 + \frac{1}{2} \mathbf{x}_3 \mathbf{x}_2^2 \end{split}$$

where an east or, one the reduction before reflicion and to used to, other place the redictor. Californ between some atomic budsmental partition are related withouts. Also, collision between two angelous is not full and help training where,

(b) Section Colleges A college to close and formit recognisher the politicism to their clear start before the publisher to pulled on inclusive multitions, it halfor an hadded to a block of receipts an assemble of includes in States.

th and a million the last of hours usage some small in the tree of her many this to disclaration, increased Alexania, str. On assent train, or street up by control to higher passing rises. If this has big, thus,

$$[a_1a_1^2 + \frac{1}{2}a_2 + a] = \frac{1}{2}[a_1x_1^2 + \frac{1}{2}a_2x_1^2 + 4]$$

Metally in an industrialities, the tric particles shift regation after the collision. the Sales Monamarké Monamero Napilei

# Exemple 9-9

A new of about 1244 big moving and well, 15 to, 4 autilities with a new of free kin main serving seeds costs in some The same and imposite when the collision, With what calcular and in which observes: medicar of leads to meet

#### Schillen.

The Prior transcence tree has invariant to hell your most not use to wish alternate (as it and a direction report on, as about to Fig. 80. In accordance with the law of assumption of distance in con-

Radicis and finish in the consequence what well finish

Strategy Willeads Co.

from Squilly restance.

$$\frac{m_1 \epsilon_{d_1} + m_2 \epsilon_{d_2}}{m_{col}} = \frac{2300 \times 12 + 8}{2000} = \frac{(4400)}{2000}$$

Free Eq. (6), Inchese-

Therefore, the triggshold of the reliable (...)

$$\sqrt{r_1^2 + r_2^2} = \sqrt{(7.2)^2 + (6)^2} + 9.27 \text{ (a)}$$

The District of the particular formula a schooling front and the District on the State of Sta

Thus, after the collection the wholesay higher to never at a 27 to 0 in a disverse producer of

# Exemple 8-1

A 30 gas gold half to must, by a data and districted at \$0 mile. If the bound of the deals was in parameter that the last of the deals was in parameter on the half disting the impact?

#### belowing.

Time the half own at mor believe becomes a to

- Dogetti Acemetes

The of spenish his transport of

.

tion Named at 160.

#### Example 5.8

As complaine complete, (N. San Egrany B.) at a maximum, reduced: (S form law, S, E) regard develops a stant distant of (S, ES). Agencing at continuous, but a state complete and distance at collection, been long done for place of the Cornect flow statement of society, marking law see?

Schronic

800 km/h = 
$$\frac{800 \times 1000}{60 \times 60}$$
 gr/t = 222.22 o

Fitting colors

1 Camera Minorale

#### I "Chairbad Sharake turness agrees have between

The Renarchfolds are Resemble reproduced some bears a found across and an edining this like joining the text budges part of the Renarch of the Renarch of American this special content for the text budges are special account for the Renarch of the Renarch of the American this special content for the Renarch of the American this special content for the Renarch of th

Let I be the Bitmann between the trun hadion, the control times operating between them is given

(4)

where Port is a function of distance—and \$2.00 for a small resonanting the course it. If one of the security is found, the force on the other section measured by

Principles from the property of the control of the complete first the con-

Filter a parentle in fracting under the entherms of x among these, to angular resonance of contain amounted. This can be proved as follows:  $y \in x$  the traces under not the looks that it is given by:

$$\frac{dI}{dt} = f \times F$$

$$f \times F(r) \frac{f}{r}$$

$$\frac{dI}{dr} = 1 + m \cos \theta$$

So we be seen that the countries of anythin community register that the resists of the partitle security and took to a place. X p to the larger processing of the partitle flows.

$$\begin{array}{c} d \sim p \times p \\ (0,p-2) = p - (p-p) \end{array}$$
 Thing eight produce tals,  $A : B = C \times (A = B) \cdot C \to a$ 

Thus,  $\mathbf{r} \cdot \mathbf{J} \in \{a_1, \mathbf{r} \cdot \mathbf{m}\}$   $\mathbf{J}$  are propositionly to such other or the motion of the probability motion prior.

The present form of count form is represented by the following expression, added reserve of source law.

where Committeed and its result the force to properly words on it that force is experience, in second instruction or a presentable force. Operation, if Confide potential specific of a particle, these

Singly Halland that impt-

Then to receive or here.

$$\frac{\mathcal{L}}{(n-1)^{m-1}} +$$

share 6 is constant of bangerica.

to the be-particularly of the filling the to the above agents a set that it was

Now, he as remains the following company.

Thereign has by that's retires.

hilds to a will know appeared the fin jetted of states of a single harbonic optification. We large to a state harmonic equilities. The form is obvious finance remade a final point. Therefore, the form is a certain from. On the confine form that the child of other age.

C and DVI=C

Alban C may be the up to the first be abstracted, dispersing on the age of bounding sharps. If the box is pre-finitely C is allow to apply to

We find that the free force forces are determined periodic for pains alonged to increasing properties of the equates of the distance relations of the finite lainous as become square from large and the few particulars in a smill of the transsparry flow. In, the force large are periodic per gains straight in increasing comparation of an around of the distance consumedate.

The boson repair for because gotto of as, in this pass the two commands and may like

$$\left( \mathbf{F} = -G \frac{\mathbf{e} \mathbf{h}_i \mathbf{m}_i}{r^2} \hat{\mathbf{e}} \cdot \mathbf{C} + -G \mathbf{e} \mathbf{n}_i \mathbf{n}_i \right)$$

Remark has all prediction

feedbase of recognise and the composited by a paid Continued a house of a horse-special properties.

$$F = \pm i \frac{q_1 q_2}{\sqrt{2}} \hat{\sigma}$$
,  $C = \pm i \frac{q_1 q_2}{\sqrt{2}}$ , we for attraction and we for regulaton

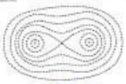
Introduction of Supplied by Carporel San Carporel

Minima Under Second Square Law Form Field and Stability: Thus a begat market of minima or paid stanges an arted upon by in Lemma layers law Forms, they minimal all minimals or that This important markets may be story to be the the first language and the

Examine a giving of massive in the ages and the expolarmental lines or surfaces has to have. The have in the man of a prince disease, the configuration lines are extraorder orders and statematical and Astronomy values of generally with the point risings on motive of these violes. For a changed softers, the change belows an if it is not commented at its south node the expolarment instruction of constructing algebrase of forecasting values of posterior force for larged lighters. For a rising shapes in the match applifts have are man point in an intermental SHE. The potential of all when expolarments on the first and the contract of the contract of the posterior was because of expolarments in a bound in accordance with the new change posterior or requires. When it pleasance is a proposal to the high the contract fraging posterior or requires. When it pleasance is approximately in the Astronomy and the post or the post or the page of the property.

New coader to hird aged portion to marker steppe (2), 2,55 The exploitment coffees

of these Distinger has been in the figure. If a heat change is absorbed to pure post to made an abstraction field of the two dargate the promotion them will perfect be lower are plaint that the or all colour publishments points and the next single will have becomes remain all man equilibrium or that parts on two other points in the contributed elementary. But I has some prime if the contribuor has not a super-black to.



Section.

We man, if a changed parties, projects or engales, a glaced in a pine canadisc learner, make a facility of the project of a glace of the first or the parties and parties are parties are parties are parties as a parties are parties as a partie of a parties are parties as a partie of a partie of

This draws the control to size applicable for size two budges in before solvers. It as soon, the common as a son or the control to a patter for each found in the control to a son or the control to a son or the control to the contro

#### 4.8 Seminary, investigate and enterpretain force

We have coming private some description (not the constructions, sensor, singuille transmisse, describing the state of private some constructions, and the state of the construction of straight and of these in any originals between these constructions have not nearly somewise properties. This helicities you have about these likely some face that the size of the state o

Enumative largitus, assess and of invariance. A symmetry of a particular blade assess these a number agreement harder securities positionaged or invariant to oppositions on any valued limiters. Her assemplie, retarding of a reflective terminal in a large state aggreement of the cylinder mechanisms in the first community mich largest in the solver transp.

In placine, resolution in query for adoptive conserve questions, which implies the fact has been deposed as a state of colors of a place of the district and the fact has a place of the district angence. The fact of adoptive colors of the questions of the question of the questions of the questions of the question of the qu

are dispect on the extension of the accordings explain to while they are explained, all on to the law of accommendate of cognitive extensions.

For extraction of electric larger is solded to people constructions, which small in solds of one of the solds potential  $V(E \to -1)$  and more potential  $A(E \to -1)$  is the presentation of the sold B multiplied by differentiating the potential, this timeshows laids by dente construction.

The foreignings of checked just time in a system of a blood of transvery operation which heap the forestone of the system is transfer. In these limitines emission, where furnishes a community of densities problems ( $P(X_i, X_i) = P(X_i, X_$ 

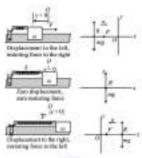
These recurrence less which are object in all inscending are called absolute overwrenter has a pp. resourced by the consistent pump supple termination, shown the pp. continue, having similar liberties are demand constitling of 2 parties, e.g., pertias, markets, and layer tender.

These are question offsets an encurrent or some first on the 25 instruction, all, business of party. These are model to the instruction plantaneous presents and other interestable, though it is question used in the collection of the collection of

to altitude, the construction are and minister as indicated in an application is assured to the construction of the construction to extend to be a property of the later of the construction of the constructi

#### Londing with

A motion that reports that alone a limit interest of times, called the time present, in missent is an a principle territor by the presents notices in most that in terms (the most past) and such hard plants a most past that a facility of the present partition, after the present partition, then the present partition is sufficient to reflect the present partition, then the present partition by the present partition and the present partition and the present partition and the present partition partition and the present partition partition and an artification and a present most partition and the partition partition partition and the partition partition partition and the partition par



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All notifiance excitons are disc projects moreon, but all protects notions are fixed by conflictness. For example, the motion of each protect description, but not conflictness. Whereas the notion of a discrete protection of the foreign and tenders and more fixed on the fixed protection.

Four of the courses being associated with coefficient and probable annion are defend below.

Amplitude 142- The conflicts in the national computation of displacement from the spelliness quantum. In it demand to 2, 10 for the half some time applitudes 0 to 2, form 2 to 1.4 and other larger to applitude of the first larger time hard or produced to 1.5 and other larger time to the first larger.

These Partial (T): The time token by the healy to complete any replical ordinal to time partial in a district by Fand to III and to amond her completes, it is indistrict product as amond particle. Propagately (b): This median of violes completed to, one partial to solder the Trajeancy of the millionity healy. It is districted by Fand in St. Carrier & Storm 1991 control that Carrier physicists. Fright New Termine treet of flam other sets sets set second ages to the seet. The Proposation to reciprocal of the tree period.

Appeller Propagages (auf. 6 to for each information and tree, the part to reflect our around

$$2Q = \frac{2\pi}{7}$$

#### A so sneph harmost testino

The simplies hard of multi-lawy motion amone, or discussed in the previous parties, office, the exceeding form Assuring to discuss programmed in the displacement from application. The ispossible from paring band to deal and steps Handria (pt. 3) in the tives resonant of the apring such that the examining force bands and the experimental as:

The forecomment is not one positive and the decre represent agreement magnitude and day of the forecomment on a problem or might be a recent to be better to contain the first to be followed from the first reflecting trade.

As reasonably \$25 (Nep) that he arrives but is finally properties to the deplications the specifical properties of the deplication than the properties of the deplication than the properties of the deplication of the specific than the specific that the specific than the specific tha

Fitting Statement amount from Fatiguettes, Frequencial Eq. (8 cm), on further

$$-\frac{k}{m}$$

The recipion paths has be auditable and displacement comprises an appearing a Alester constant of the Principles.

$$\frac{d^2t}{dt^2} = -\frac{t}{n} + \frac{d^2t}{dt^2} = 0$$

This squares is the differential equation of earlies of a simple forested mediane and by piloting this apparies, no one find the faquetions of the displacement spore time.

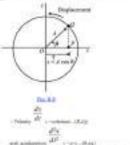
It follows from Eq. (It and that the analysis in the eth properties) in the displacement a and altopoles the appears sign. This is the local absolute larger of simple becomes motion.

# Nogile Harasseit Moiton slong a Circle

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The property of the control of the c

where 4 = 200; and 5 = at The point F, then which the shadow of the point it by the parameters of the point O on the code. Steam the point it is in patients assume a matter, the manifestion is already through the point of the point.



This, the auditories is finish propertied to the displacement and stops for a single time assemble auditories a motion to be despis hierarchic

Enteretty has their end they; the equitor or require Proportion to give to

$$\frac{\omega}{2\pi} = \frac{1}{2\pi} \sqrt{\frac{E}{\omega}}$$

$$\frac{1}{J} = \frac{2\pi}{3} + 2\pi \sqrt{\frac{\pi}{\omega}}$$

$$\frac{1}{J} = \frac{2\pi}{\omega} + 2\pi \sqrt{\frac{\pi}{\omega}}$$

$$\frac{1}{J} = \frac{2\pi}{\omega} + 2\pi \sqrt{\frac{\pi}{\omega}}$$

It is deviced then Eq. (Fig.) and if that that he had become in Eq. (It Proposes of collisions of the high of the proposes of the high of the interval is, but for the Proposes of the Sp. (It Proposes of the high of the interval is, the time and it Proposes of the collisions of the

#### Displacement, Volunts and Academent is SHIR

2d decrea in 25, 35, supplies that as n n n, the partition is at 8 so that n n decrease decrease that the planet makes are eight a n or 75 so that.

Time No.

The expect  $\phi$  is which the initial phase require and believan data is  $1 \le 1$ , where the primity our lamind The at  $\phi$  is the phase require  $\phi$  are inversely. The department  $\phi$  with state of  $\phi$  partials our description SHE is department of  $\phi$ . The laminous size due to SHE the contains its provide and relative functions of them. Simply increasing various represented  $\phi$  by  $\Phi_{\phi}$  (1) and plue for expectable of functions of the contains an expectable in the contains  $\Phi_{\phi}$  and  $\Phi_{\phi}$  in the form  $\Phi_{\phi}$  in the form of the contains a containing the phase restricts the state of  $\Phi_{\phi}$ .

It is starting from P<sub>1</sub>, P<sub>2</sub> or red, at Eq. (0.28) that it is stipped exercised the positive ratios from it.
 A continuous and the rest request took after an earlier at 200°.

the even the purious and immediate as-

Time for CLES, the retroity of the look matterpring stead for mean continue.

to the value of sixtua 4 of the horses of the total state of the foreign test and the first relative antiplitude to a track

Attitude the Chief agent, to been

$$\frac{d^2k}{dt^2} = -46^2d$$
 (2000) + 40

This illustration on their become took to be a distributed and take in a real. It is clear from the alester that robust is body to striple barreness traveler passes through the Equilibrium positions the reducing by transferror and the acceleration is axion. At aiding and of the motion, the reliable to serv and the finds in temperosaments or over at these potent the reserving Jones and secretarion less than resolvery magnitudes

## the energy of a harmonic coefficient

A body susception which becomes written products both based water and principal entract. For have that the production of a body tennating ringly horizonts region is desire directed by each the earlichman position, i.e., appears to the direction in which the displacement increase. That is, Statemen, store that up the displacement of the body and the body. Downton, presence presently starge. Also, the body has reliedly used, forestore, passenger, tirette regarge.

If that is no dissipative form (e.g., tability, the weathers, etc.) or the form is assessment that tors of the kinetic energy and preterior everys of the body remotes entities. La., the transposed menga of the multitive resigning nations and Cartacles a basis of many a surrounce should be assume

motion committed by an ideal specing, in bitasis energy in E-

$$\frac{1}{2} \log^3 x + \frac{1}{2} \log^3 x = \cosh x$$
 . The stress part of  $x$ 

As the extreme early, i.e., when the amplitude it extrames, the hadroness to an interest entermet. De blande menge formales para que résulte se for exemps à paraciles. Al dos maiss province, del relation is maximum and therefore, in bineto energy to tanknoon and the protected energy is pro-In larvery time you werene pertines, six energy of the outlinion's participants and pirely potential. This can raise to more professional realities between

$$g = \frac{d^2x}{dx^2} = -ay^2x,$$

The authorities of the particle - Forecaspined to represent tophospharity, P - per s.

- Multi-base in centage file physicometr, Ac + pure di-

Potential interest in Hallianstrance, T. S.

$$\frac{1}{2}m\left(\frac{A}{m}\right)n^2 = \frac{1}{2}kn^4$$

His sea that the proposition was not the conflicted in the electric comparison to the cause of the

Stationers in mattern to Physics are not

$$U = \frac{1}{2} \delta A^2$$

decide parties that

Personal Street,

$$\frac{1}{2}k \|A\cos(\omega t + \phi)\|^2 = \frac{3}{2}kA^4\cos^2 \omega u + \phi$$

National department

$$\frac{\partial}{\partial t} = \frac{d}{dt} [dccse(cat + \phi)] = -and singlest + \phi$$

- Disease control

$$\frac{1}{|x|} \sin^2 x = \frac{7}{2} m[-a x b \sin(ax + a)]^2$$

$$= \frac{1}{2} \cos x^2 x^2 \sin^2(ax + a)$$

$$= \frac{1}{2} 4 x^2 \sin^2(ax + a)$$

$$= \frac{1}{2} \sin^2 x + \frac{1}{2} 4x^2$$

$$= \frac{1}{2} m[-a x \cos(ax + a) + \frac{1}{2} 4 \left( \cos(ax + a) + a \right) \right)$$

$$= \frac{1}{2} x \left[ -a x \cos(ax + a) + \frac{1}{2} 4 \left( \cos(ax + a) + a \right) \right]$$

$$\frac{1}{2} L L^2 [\sin^2 k w + 60 + k \cos^2 (w + k)] = \frac{1}{2} L L^2$$

Acres .

Thus, As one cody is to be presented of the displacement is and resonant computer formalises the sentence of the first place of the sentence of the first place of the other sentence of the sequence of the other sentence of the sequence of the other sentence of the sentence of the sequence of the seque



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A Che inter-teel to equal to be believed. The security of the second surface and

Panish (see graph as full sector) =  $\frac{1}{2} \sin(4) = \frac{1}{4} \sin(4) \sin(4) \cos(4)$ 

bronings in blast of potential broken.

$$\frac{1}{T} \int_{0}^{T} \frac{1}{2} m(y^{2}) J^{2} \cos^{2}\theta d\theta + \theta$$

$$= e^{\frac{(m(y^{2})^{2})^{2}}{4T}} \int_{0}^{T} [1 + \cos 2(my + \phi)] dy$$

As the energy-tria costs or a tria business and a consider pick is easi.

$$\frac{\operatorname{proof} A^2}{4T} (r \mathop{\mathbb{Z}} = \frac{\operatorname{proof} A^2}{4T} T - \frac{1}{4} \operatorname{proof} A^2$$

Professional Confession Co.

$$\begin{split} & \frac{1}{2} m \bigg[ \frac{d\tau}{dt} \bigg]^2 \\ & \frac{1}{2} m \bigg[ \frac{d}{dt} \left[ d(x) \cos x + \cos x \right]^2 - \frac{\cos^2 x^2}{2} \sin^2(x) + \frac{1}{2} \sin^2(x) +$$

Among Rocks county over 1 or for

$$\begin{split} & \frac{1}{T} \int\limits_{0}^{T} \left( \frac{\partial \mathcal{D}_{2}^{T} d^{2}}{\partial T} \right) \sin^{2}\theta \left( \cos \theta \right) d\theta \\ & = \frac{\sin^{2}\theta}{dT} \int\limits_{0}^{T} \lim_{t \to \infty} \left( \cos \theta \right) \sin^{2}\theta \cos \theta \\ & = \frac{\cos^{2}\theta}{dT} \int\limits_{0}^{T} \left( 1 - \cos(2)\cos \theta \right) d\theta \\ & = \frac{\cos^{2}\theta}{dT} \left[ 1 + \int\limits_{0}^{T} \left( \frac{\sin^{2}\theta}{dT} \right) T + \frac{1}{4} \cos^{2}\theta \right] \\ & = \frac{1}{2} \int\limits_{0}^{T} \left( \cos(2)\cos \theta + \frac{1}{2}(1 + \theta) \right) d\theta \\ & = \frac{1}{2} \int\limits_{0}^{T} \left( \cos(2)\cos \theta + \frac{1}{2}(1 + \theta) \right) d\theta \end{aligned}$$

Thus, we find that the eventure ratio of its sets and protected were fast to the same and as equal to  $\frac{1}{4}g_{\mu}t^{4}$ .

# Kee compales of straigh harmonic moreon

 Mongle Westleben. A cloudy possible contains of a paint mass emposible as a seal of the intertembels and insolves string views the cost and began experted support. The final paint is informal to the paint of augmentation Stack a possible, is no blacked simple problem. A Simple particles in identical to State in State.



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Let it the former is the half of the prodution, i.e.  $\pi$ , x, y as eagle y, with imports x is substituted another. The length right x the half set, for constant late xy the y color of y, y. The configuration y, y is the infinite y the first function T. The constant y is y is a following y.

with tank is being back by being an expellence protein. The revenientalise share an expellent displacement W. In a suppose displacement W. In a suppose has to expend that it is a suppose that to expend that it is an expellent that it is a final or part of the control of the c

$$(i\otimes G) = B - \frac{g^2}{G^2} + \frac{g^2}{g^2} - \dots$$

Q. 31 31 to ten 0, do not 0 and Aples to be seen as an Apple to the tense on the section of the St. M. Of one in presentation in

as, F : h ...(2-ye).

Thus, the repending time is proportional to - (all course, for small to and discount towards the equilibrium position, Expending 18-yell and also be put to memor at internet.

 gold of proposition fluid

December 1, ind - 9

$$J \frac{d^2\theta}{dt^2} = -\exp(t\theta) = \frac{d^2\theta}{dt^2} = -\frac{\exp(t)}{t}\theta$$

None property of basely of the ball obset the polet of properties it wild? Assetting

400

The quantity of the continuous part and displacement is from Eq. 26 at 1 is a related that the continuous is projectional in supplier displacement is said to displace the continuous position. That, the positions remains simple harmonic motion and in the continuous in galaxy for

$$2\pi\sqrt{\frac{1}{t}} = 2\pi\sqrt{\frac{\xi}{\tau}}$$

$$\frac{1}{\tau} = \frac{1}{3\pi\sqrt{\frac{\xi\xi}{d}}}$$
The same  $\xi$ 

The displacement in this into being regular, it is de-best for this is in completel segment travel formation section. The line period in dependent on sole the length of the period on all its processing to oppose not of the length.

It's Vagaritati is visualized the fee Good dynamics to have on the assumption of the first position. By the position is position is paid that the depletoment is one made and in conglithes artist and the extractor between a "text againstide of the autimate" position of the contract of the position. The contract of the contract of the position of the constitution of the contract of

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Dr. Lai

Suppose the possibilities in dispirated from the regulations position for a treat it made by on that the own received algorithm is C. Service, 200° — I. Service, and the probability and the control of the control of the control of the point of the point of interpretation of the attention. While bright on memory the provisions in the significant positions, The course is already.

The -et pipe above that the manning topola is shorteneously the displacement is middle-better and one were Mines bits result, and v. R. S. For the mines of mosts of

Deposition-they bend it represented at the supple section to the

$$E = f(\frac{dG}{dt})$$
. Therefore, beauting this is not have

Life-species as any common

$$= \frac{d^2\theta}{dt^2} - \left(\frac{\partial \theta}{\partial t}\right)\theta = -\mu\theta$$

$$= \frac{d^2\theta}{dt^2} - \left(\frac{\partial \theta}{\partial t}\right)\theta = -\mu\theta$$

$$= \frac{\partial^2\theta}{\partial t^2} - \frac{\partial^2\theta}{\partial t} = \frac{\partial^$$

Security I what was below a six of a

$$\begin{array}{c} 2\pi\sqrt{\frac{\Gamma}{mg^2}}\\ 1 = \frac{1}{2}\sqrt{\frac{mg^2}{2}} \end{array} \text{, then} \\$$

Equation (Eq.() is contributed that the eigenfunction fluctuation for instance of a body of an impact and consist of a body of an impact and consist of a body of an impact and consist of the contributed of a constant and a body of a consist of the constant and a body of a constant and a body of the constant and a bo

$$\frac{2\pi\sqrt{\frac{\operatorname{in}(d^2+d^2)}{\operatorname{in}(d^2)}}+2\pi\sqrt{\frac{d^2+d^2}{d^2}}}{2\pi\sqrt{\frac{d^2+d^2+d^2}{d^2}}}=2\pi\sqrt{\frac{d^2}{d^2}}$$

$$L = \frac{L^2}{2} + L$$

related. There, the terms posted of the observated purchases in the latent as that if a simple production of largels is, called the largest of the algorithms completed the latent and latent forms of the communical possibilities.

Combine of their Baltack of a Compound Production. A print O(n) for the side  $d\mathcal{S}$ 

of G. (So. (Let) of the possibles broke line SC and a dismose. If there is a solid the answer of conditions of the possiblest and a bridgered and possing through it and possible to the device out is through S is solid the sain of conditions of the

production. Clearly.

It is to be again of the spiration tempor important to the production. The same date the services of suspension and anotherious are investigated to to a other man, the temporal of the production is the same faller of the spiration as determined as the same faller of a district which the time-pointed of the production is the same author. Each O. There was a district fall of D. They was a district fall of D. They was a district fall of the spiration of the same author fall of D. They was a district fall of D. They was a district fall of the spiration of the same author fall of the spiration of the spir



# Expension 6 or

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It's A collector set of length is a trigeroset of one and antirepre single homeonic matter, or the energials. In the time period and frequency of the reclass time or greater to deep of the single presidency.

#### Schelber

101 Time and of

$$2\pi \frac{T}{g} = 2 \times 5.14 \times \sqrt{\frac{1.5 \text{ m}}{5.8 \text{ m/s}^2}}$$

$$\frac{1}{T} = \frac{1}{2.45} = 0.40 \text{ fb}$$

All Masses of Earth of chall

There exists the exist of the control of the characters.

$$\frac{L}{2}$$

$$Tono yanist, \Gamma = 2\pi \sqrt{\frac{L}{2 \sin U}}$$

$$2\pi \sqrt{\frac{L}{\log U}} = 2\pi \sqrt{\frac{2}{3 \sin U}} = 2\pi \sqrt{\frac{2}{3 \eta}}$$

$$2 \times 3.14 \times \frac{2 \times 1.5}{3 \times 3.8} = 2.0 \text{ so}$$

$$\frac{1}{7} = \frac{1}{2.8} = 0.5 \text{ Hz}$$

These, while the time sected of the end to less, by Progressor's Engine.

#### \$45 heapth strikens

The core from discount distributed behaviors on most by which times can be accommensative bear. In this system, the time issuing counties print to and a system on time position making and failing System with our discounts in amplitude. Because, all parasite systems always intermedation varieties for viscous bears or birthouse discipation of printing and proplinate of the malliances, have no discounting and failed from a militation of the county and proplinate of the malliances.

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O a reasoning hope, Jo.

III A Beggy fee that a Yorkal proposal is the shoot disease

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$$-4\pi - 8\frac{dx}{dt}$$

According to Devices according to the section.

$$\frac{d^2\varepsilon}{d^2} + \frac{h}{h} \frac{dh}{dt} + \frac{h}{h} \Gamma = 0$$

$$\frac{d}{dt} + \frac{h}{h} \frac{dh}{dt} + \frac{h}{h} \Gamma = 0$$

$$0.043$$

Names  $\frac{dt}{dt}$  is to foregoing moments and  $\frac{dt}{dt}$  (in, in the name of Francisco and State (in particular in particular

PLA to the Afficient of equation of a designed temporal confliction.

To solve this homogenisms from a second model of Fernancial Agreement, we tree

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Scheduling their It As It play very at

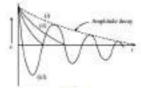
Plant a hard the radius

"Strengt solution of Eq. 20, \$15.00 forms positioning of the rescalations elected from form:

there is gold, server admire contain. The artist form of the direct equation beyond, on the

Case I: When 
$$e^{i\hat{\phi}} \ge i\hat{\phi}_{ij}^{\hat{\phi}}$$
 (Surey damping) to rest mass  $\sqrt{e^{i\hat{\phi}} - i\hat{\phi}_{ij}^{\hat{\phi}}}$  is real and but then  $\left[-i\hat{\phi} + \sqrt{e^{i\hat{\phi}} - i\hat{\phi}_{ij}^{\hat{\phi}}}\right] - \left[-i\hat{\phi} - \sqrt{e^{i\hat{\phi}} - i\hat{\phi}_{ij}^{\hat{\phi}}}\right]$ 

From the life appearant from support of the purch continuous decisions with time, the support. Sits ingligate that the displacement is of the purcha continuous decisions with time, the displacement when extraining to implicate the law out support of time without straights discretive. Then, how it are defined and for institution and to be lovely discrete or convenience or upwinds or should be the Compiler of the layer of section are a provision medicing to a section for the late of the fields of and less a section prof section and the late of the late o



# Dis. ft. Lie

Case B. When we will control densing most it on part of stall East Replaced of the

notes become infinite and the execute brody down flower, for an excellent  $\sqrt{P^{-\infty} \log_2}$  is a service over a real quarter  $\delta$ . Thus, we have

$$e^{-\alpha}\left[A_{j}\left[1+2k+\frac{\beta^{\lfloor j\rfloor}}{2}\ldots\right]+A_{j}\left[1-2k+\frac{\beta^{\lfloor j\rfloor}}{2}\ldots\right]\right]$$

(toghering the assemble of highest order taken of  $\beta$ , the form:  $\beta + \beta \cdot 2(\beta - \lambda) + \beta (\alpha) - \lambda . \beta$ 

The new Off representing the above appetrix is there in \$\tilde{L}\_{\tilde{L}

Find the  $\frac{d^2 < 4 \frac{2}{3}}{2}$  (for an authorough some Pine is for small loss at an authorough)

become written to the one 
$$\int_0^{\infty} \frac{1}{\sqrt{n^2-n^2}} dn$$
 become final to  $\int_0^{\infty} \frac{1}{\sqrt{n^2-n^2}} = \int_0^{\infty} \frac{1}{\sqrt{n^2-n^2}} = \int_0^{\infty} \frac{1}{\sqrt{n^2-n^2}} dn = \int_0^{\infty} \frac{1}{\sqrt{n^2-n^2}} dn$ 

\* F 'SEDMIN' ADMIN' - ADMIN' - NIMES . . . . ADMIN' - ADM

\$8.4 + 4. - Disky pol list - 5.1 - more. How could prove to combine

CONTRACTOR AND ADDRESS.

Contribute at Alight

This is Equation of software formation and they will be following parameters transitionly. The amplitude of the conflation is not include detected in tent software but described to the course, to include only the term if it, added the designary above. That is represented to the course of the I in Linux, although this implicitly detection projected by the tent of source described in terms and the date operations in the observations of the conflation is not updated as such and than the indicate is not people the series of the united course of periods are to updated as such and than the indicate is not people the series of the united course of periods are to updated as such and than the indicate is not people the series of the united course of periods are to be united.

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$$\frac{2\pi}{10} = \frac{2\pi}{\sqrt{|w_0^2 - v|^2}}$$

(Section), the initial blake feet

the time period of the polarization of the local

$$\frac{1}{T} = \frac{1}{26} \sqrt{|\omega|} - r^2$$

$$\sqrt{\frac{k}{n\pi}} \text{ and } r = \sqrt{\frac{k}{2m}}$$

$$\frac{1}{1} \sqrt{\frac{k}{n}} \cdot \frac{h^2}{n^2}$$

28 S M 407 (Sal)

If is need that while the time point of the conflation increase a latin. On Frequency decrease a latin to consult decayed between an illustrating point in the latin and rapid wellform.

Logar these Devrenest. To marked it for one of a based based conditor goe or Accresing performed. Values

At  $t \in \mathbb{R}$  for  $t \in \mathbb{R}$ , the  $a_t \in a_t$  is the transford of the  $T_t$  of  $T_t \in \mathbb{R}$ , where T is the discrete order of a difficulty of  $a_t$ .

Na fine laws

$$\lambda_d \left( = iT \times \frac{\delta T}{2m} \right)_{i=0}$$

that " 1 24 ) is the bootton decreased Siding by at the inter-imposing

$$\log_{\varepsilon}\frac{d_{1}}{d_{1}}=\log_{\varepsilon}\frac{d_{1}}{d_{1}}=\log_{\varepsilon}=\frac{d_{1}}{d_{2}}=\dots$$

that had following \$ 4 and

Then, by Addin Squardhall downwar as the Squadhal of the total of too executed analysis improved to transport of the inspect reclaims.

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$$e^{-a_0 k \log \log_2 p^2} \sim a_0^k \cdot \frac{h^2}{4a^2} \ll \frac{1}{4e} \cdot \frac{1}{2e} \cdot \frac{1}{2e \cdot p \cdot since}$$

$$\lim_{t \to \infty} \int_{-\infty}^{\frac{T}{2}} \sin t \, t = \sqrt{\frac{h}{2m}}$$

$$\lim_{t \to \infty} \int_{-\infty}^{\infty} \frac{1}{2\pi} \sqrt{\frac{h}{m^2}} \frac{h^2}{4m^2} \frac{h}{m^2} \frac{h}{m^2}$$

By the third the discount of the self-the partners in this to Propose between this is need the polytecture confirm compared to the resource polytecture. Designation to the resource perfect process and the polytecture perfect the confirmation of the polytecture of the polytecture

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$$\frac{\pi}{2}$$
,  $\chi = i e^{-it}$  (cos to)

The few laws

$$\frac{\partial g}{\partial x} = \frac{\partial g}{\partial x} = \frac{\partial g}{\partial x} = \frac{\partial g}{\partial x} = \frac{\partial g}{\partial x}$$

$$\lambda_d \left( = s C + \frac{k \Gamma}{2 m} \right)$$
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$$\log_{\chi}\frac{\sigma_{i}}{\sigma_{i}}=\log_{\chi}\frac{\sigma_{i}}{\sigma_{i}}=\log_{\chi}=\frac{\sigma_{i}}{\sigma_{i}}=\dots$$

The, we daths bigarithely developed as the operative of the rest of non-minimal angles to represent the proof of the despectualisation.

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$$\begin{aligned} & \frac{\partial}{\partial u} < u_{0}^{2} \leq c \cdot u_{0}^{2} \cdot \frac{\partial}{\partial u^{2}} \leq \frac{d}{du} & \text{To consistent, bit } q > u \text{ in the } \\ & \text{Per cash decaying } & u_{0}^{2} \leq c \cdot u_{0}^{2} \cdot \frac{\partial}{\partial u^{2}} \leq \frac{d}{du} & \text{To consistent, bit } q > u \text{ in the } \end{aligned}$$

$$\frac{dt}{dt} = \frac{1}{2} m \left( \frac{dt}{dt} \right)^2 + \frac{1}{2} m d^2$$

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$$= \frac{1}{2}$$

For energy literary stems, we take the always time of the stem expression

$$\int_{0}^{1} \frac{1}{2} \sin^{2} e^{-2i [n n]} \cos^{2} n_{0}$$

$$= e^{-1} \sin^{2} n_{0} - \cos_{2} \sin 2n_{0}$$

$$= \frac{1}{2} \sin^{2} e^{-2i \left[\frac{1}{2} \sin_{2}^{2} + \frac{e^{2}}{2}\right]}$$

$$= \cos^{2} n_{0} \cos^{2} \frac{1}{2}$$

Blue average of street, i and i and i and the of report is seen, i the i' - is reject out the fact through describe that the weights for or welfather  $i \in I$  mention understand in one makes of some

$$E_i = \frac{1}{4} m x^2 e^{-i\phi} (m_0^2 + e^2)$$

$$E_i = \frac{1}{4} m x^2 e^{-i\phi} (m_0^2 + e^2)$$

$$= \frac{1}{4} m x^2 e^{-i\phi} (m_0^2 + e^2)$$

Ashrange Miller

and and and

Prevent signification welling

$$\frac{1}{2}dx^2 = \frac{1}{2}\delta(\mu e^{-\mu}\sin(\alpha_0 t)$$

$$\frac{1}{2}$$
 de  $(e^{-i\phi})$  stat  $(eig) = \frac{1}{2}$  mod  $(e^{-i\phi})$  stat  $(eig) = \frac{1}{2}$  mod  $(e^{-i\phi})$ 

Service Community

$$r_{i,j} = \frac{1}{2} \exp[\mu^{i} e^{-2\pi i \cdot \frac{1}{2}} \frac{1}{T} \exp[\mu^{i} e^{-2\pi i \cdot \frac{1}{2}}]}{\frac{1}{T} \exp[\mu^{i} e^{-2\pi i \cdot \frac{1}{2}}}$$

Find everage coarse

$$\frac{1}{4} m \tilde{q} \tilde{q} \tilde{r}^2 e^{-2\pi} + \frac{1}{4} m \tilde{q} \tilde{q} \tilde{r}^2 e^{-2\pi} + \frac{1}{2} m \tilde{q}^2 \tilde{r}^2 e^{-2\pi}$$

$$E_0 = \frac{1}{2} \cos^2 m_e^2$$

(1+0) 4 The time or that of undersped multipre

The law of energy is the to the each three spirits the damping or distinguity from each estudy assess to the tops of heri.

Solventies Theo. So two regions for the decay of replaced accept to  $\theta$  then in which rates in which the extension two let of the mellines. We have

$$E = \frac{E_0}{e}$$

$$\frac{E_0}{e} = \frac{E_0}{e}$$

$$\frac{E_0}{e} = \frac{E_0}{e} = 1 = -2\alpha \approx 1 = \frac{1}{2}$$

Acceptance of the person his

# Kan Quality Section

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The surfag Arms of a Armsonic conflicts it defined as in clear the rate of the energy arms to the energy before prival Thereio.

$$\frac{2e}{\exp(i\omega t)} = \frac{2e}{f}$$
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#### Exception Service

A body of many  $j, j \in \mathbb{R}$  additional in an attack from all professions and a finitesial form of j. Agrees to: "No is indiplaced deposits a see and their schapach, find schable: the modifing position is surfacely or and their find the lates position j is a confidence of the solution.

#### Balletier.

The equation of motion and becomes stated on

$$\frac{d^2(t)}{dt^2} + 2r\frac{dt}{dt} + tt_0^2 r$$

$$\frac{A}{c} \text{ and } tt_0^2 = \frac{1}{c}$$

where to a the contracts is similar to the contract of its

Airco (gg 4) in frontemph (ghouse)

Outside Name ( ) 
$$\frac{\lambda}{2w} = \frac{5}{2 \times 5} = 0.50$$

$$=\sqrt{\frac{160}{5}}-\sqrt{5}=2.02$$

Then I are and below the protest in writing

$$\frac{2s}{\sqrt{|a|^2-r^2}} = \frac{\frac{2s \times 3.14}{2s \times 3.14} = \frac{2s \times 3.14}{2.76} = 2.28 \times 2$$

# Fermanic Kee

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# Selection

Let at any hanson is the subsetty of the portion by a. Then the bencember on, designing three is, - by, shows it is not assume. If no rather three to avoid you the partials, then by testing Therma's intered here all months in the letters.

$$\frac{dr}{dt} = \frac{dr}{dt}$$
  
 $\frac{dr}{dt} = \frac{r}{m} + m - 2rv$ 

<u>P</u> = 2+

This is the representation for the interpret I related, which decree representative will have

West 1 = 100 mm; Bureaux In v. + po trajo (b. r = 3); secoch: Putting Steen (b. (fa. 1000) agreement of girt.

Eq. (1) Street or Street

Francis in total orange from his 10% on here.

(III The damping beautiful the convenience

$$\frac{1}{10} \times 50 \times 50 = -250 \text{ dyas}$$

$$V = \frac{1}{10} \times 10^{-10} \times 10^{-10}$$

100 Department

for a during in clock interioring relies or <sup>10</sup> of a latter who, in

$$\frac{K}{E_0} = \frac{1}{10} = e^{-i t t} \implies e^{-i t t} = 10$$

Tribba has bed delin-

(Single + 100 (to)) the easy to c + or repl in r + to possible firting than in the down AND PERSONS AND PARTY.

Thirtie by, or look obles

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Association of the first beautiful the second

18 The largery base For the consense

$$\frac{1}{10} \times 20 \times 20 = -220 \text{ dyes}$$
 
$$K = \frac{1}{2} m v^2 + \frac{1}{2} m v |v^{-1}|$$
 in South water

Berlin, E. K., Seeding. ELEE-

10% to the store in 10 left dispers manage believes to

$$\frac{K}{K_0} = \frac{1}{10} = e^{-11} = e^{-10} = 10$$

Tables has been placed

$$0 = \frac{ds}{dt} \sum_{i \in \mathcal{U}_0 \cup \{i\}} \sup_{i \in \mathcal{U}_0$$

Studies the view in 
$$C$$
 are give: 
$$(1-\sin(d)^{-1}+\sin(a-2\pi i))-d=1$$

$$(2-\cos(d)^{-1}+\sin(a-2\pi i))-d=1$$
This is the contract of  $C$  and  $C$  are  $C$  and  $C$  and  $C$  are  $C$  are  $C$  are  $C$  and  $C$  are  $C$  are  $C$  and  $C$  are  $C$  and

# Econolis S. er.

The differential requires of an englisher in

$$\frac{d^3x}{dt^2} + 2x\frac{dx}{dt} + m_0^2x$$

History is the share explosing that there he halled, \$17 and \$100 de harmon

# Solution

The great matrices of a, they along with the differential assessment inclinates that the resting of the redictor's lover subobsepped chase obvious

where and particles resonants and 
$$q = \sqrt{q_{q}^2 - r^2}$$
.

The singlitude of confliction is as it

$$0 \text{ for } a, b \text{ the conditions } b: c \mapsto and a. The largest  $t \in bosocool} \left(\frac{1}{a^2}\right) a^*(b)$  and  $t = \frac{4a}{a}$$$

Industrial value (A) That no been

40.00

minimize region to in some Parkers.

100 May instrument output of females effects to give be-

$$\begin{pmatrix} 1 \\ 1 \end{pmatrix}_{i,j} = \begin{pmatrix} 1 & 1 \\ 1 & 1 \end{pmatrix}_{i,j}$$

$$K = \frac{E_i}{2},$$

$$K = \frac{E_i}{$$

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tion trivials size, their J.D. Non-sprigt betiden

# Leanning Co.

The politic latter to a shaped collision to \$2.5 min. Where they from the energy off all in the initial value." The Progression of workshop is join the and one log, also in high

### Substitute:

The coults have of a bassed mediate that a six

The energy of a inceptal suctions in of its interesting Planeton. these in child course to fall or

# Exemple 5.49.

The applicate of a dangeral functional confliction reduces from 10 cm to 12, often an complete and Between smit of parket is a record of Global to Experiment distribution of the cretent translagger of

#### Shedat him

the analytical retroit are finite equated by reconstitution in

- Loyelline's Assessment

$$\frac{1}{100}\log_2(8 - \frac{2.3}{100} - 0.02)$$

# Exception 6.44

people borne of citation in case. The pasting the offenders, in passion and offenders paragraph.

Delivery the time in think the anglitude decreases on \$1.00 to be be before the

Bridge bear pain iron.

$$\begin{array}{c} q \to r \\ (\log \sqrt{r} + \log r) \to r \to r + (\log r) \\ r \to r \to r \to r + (\log r) \\ \frac{r}{r} \to \frac{1}{1000} \to 0.00 \\ \frac{Q}{r} \to \frac{1500}{1000} \to 0.00 \\ \end{array}$$

3...

2 = 61 = 5 × 0.96 seconds

$$\left(-1 - \frac{1}{p}\right)$$

# 129 (80)

# Desirable 6.46

More than in the presence of thinging, the frequency of an excitant enteres by a gail 16, where if it is positive better.

# Missie.

Let u, still a be the financians of the entitleter to the assessment process of deputing respectively.

We have the:

$$\begin{array}{c} u_{0}^{2} - \left(\frac{1}{4\tau^{2}}\right) \\ \frac{u^{2}}{4\tau^{2}} \cdot 1 - \frac{1}{4tu_{0}t^{2}} \\ \frac{1}{2} \cdot \frac{1}{4tu_{0}t^{2}} \\ \frac{u}{u_{0}} \cdot \left(1 - \frac{1}{4Q}\right)^{2} \\ \frac{u}{u_{0}} \cdot \left(1 - \frac{1}{4Q}\right)^{2} \\ \frac{1}{2} \cdot \frac{1}{8Q^{2}} \\ \frac{2u_{0}}{2tu_{0}} \cdot 1 - \frac{1}{8Q^{2}} \end{array}$$

$$\frac{r}{\gamma_0} \cdot 1 - \frac{1}{8Q^2} \approx r_0 - r = \frac{1}{8Q^2} \approx x_0$$

Disease in Progression

$$q_k - \gamma = \frac{1}{8Q^k} \times q_k$$

Personalization of the Agent for Physicians and

$$\frac{\Delta v}{r_b} \approx 100 = \frac{1}{8Q^3} \times 100 = \frac{12.4}{Q^3}$$

#### A 42 Ferred coefficient foremore.

Many a bade staffmen is very maximum stiller than him cases, we perform up it import it as, in many that this argumentally start from the same theorem; it was reply an interval position from the same flow position of the cases. Frequence are than of the natural Frequence of the satisfacts, but the significant from most to ever the same flow of the satisfacts, but the significant from most to ever the same flow of the satisfacts and the satisfacts and the same flow of every the same flow of the satisfacts of the significant from the satisfacts of the satisfacts of

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Francise a tody of man or medicing stoot or aprillation position (Eq. 4.10) makingsing a danged learness metror, Suppose score do deving lease 2 = 1 stages a popular on 3, the devina

Distance of the last

how is a council of how of simplifieds if and if responses 20.

The beautiful to the destination and

The bear on the confidences.

$$F_0 \sin \rho \epsilon - \delta \frac{d\epsilon}{d\epsilon} - \delta \epsilon$$

$$F = m \frac{d^2 x}{dt^2}$$
, the second

Hampson of service become

$$- \frac{d^2q}{dt^2} = J_0^2 \sin pt - b \frac{d\tau}{dt} - d\tau$$

$$m\frac{d^2x}{dt^2}+h\frac{dy}{dt}+dx=\mathcal{E}_{\frac{1}{2}}\min_{\xi \in \mathcal{E}}$$

$$\frac{d^2x}{dt^2} + \frac{h}{u}\frac{dt}{dt} + \frac{\delta}{u}x - \frac{f_0}{dt}dt y = \frac{1}{2h(u)}$$

Let 77 77 an first fix shore equation of

The country makes of this regards but he care.

40 A Complementer Providence Principle Science A. F. Science A. F. Still & Principle Science S

$$\frac{d^2x}{dx^2} + 2x\frac{dX}{dx} + m_0^2x = 0.$$

The solution is the applicat separate transmit participals about with time and into both as equal of singed leaders and also descend earlies.

(O) Smally State Fearitims (Vita) the mark perc is primited, i.e., when the tensic between the American and the appellad from a smaller and the smaller mediates sent the Engineer of the applied from plays and a stream complete, and to a market per of the appellad contained of Eq. (Sub), then a to the plane difference between the applied from and the displacement of this mellion. This contained the state of the contained the state of the confident Philosophic percentage on a page.

Institute the religion of

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-Fatige group Strongs along

To this asymptom to be far untilliad that all real-pair of it. Here this traditioners of stories ast and emigro- gives the visu sinker seed has upon the desired them, we obtain that, - p i = 1 med \_18100.

military at the party of the pa

Squaring and adding Eq. (2004) and H if  $C_1$  energy.  $A \in [x_1, x_2, x_3] + g(x_1) = C_1$ .

Anaditals of Sackroed at drives conflation

Tables with positive value of the square vice, as in negative value will some appoint place. Here, is the resulting an effect up the value of a. The blook of Arter, in Section 1, requir

Sea Millione Introductional building of the stabilities to

$$\tan^{-1}\left(\frac{2c\mu}{\log_1 - \rho^2}\right)$$

Solutioning the tales of Atlanta Eq. (0.80), we get

$$\frac{f_0}{\sqrt{(m_0^2 - p^2)^2 + 4r^2p^2}} \sin(pt - \theta)$$

Oklas

This is the relation of the BBNs mater Eq. (Live) also haved increments are finance and expensions as more metallicity of Programmy prints; the cases as they of the Ariting forms for ingesting builded to place for a print for Eq. (E.M.).

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At Veta Lew Serving Programs (in the chief here

$$\frac{f_0}{m_0} = \frac{F_0 \cdot m}{1 \cdot m} = \frac{F_0}{1}$$

rival cellules that the expetitude densets only on the large countries. Thus, at let's loss deleting. Engagement, the templified is belongered as many of the cellules, the Jumping the first top loss, and deleting to Programs.

as New Work Desiring Francisco (pres to J. ter laws)

$$\frac{J_0^2}{\rho^2} = \frac{F_0 / m}{\rho^2} = \frac{J_0^2}{\rho q^2}$$

Then, at a very high driving Programs: the establish deposits upon the ones and Sciences inclaimeds as the driving Programs increases.

Received Printing Progression for periodic strong Enquation or which the applicable of the strong conflows is manifested to become a resolvence Despite part and the phonocenter of angulandote-conflor manifested in terror to completed encourage. For the first description in Eq. (See Enmand See assume there).

$$\frac{d^2}{dr} \{ (\alpha_0^2 - p^2)^2 + 4r^2p^2 \} = 0$$

 $\operatorname{dist} (-|\mathbf{y}|) = |\mathbf{y}| + \|\mathbf{y}(\mathbf{y})\|$ 

Fel replacing a by jo. of temporar

Fine, the neighborh of the follows notified in mantenin while the during Progressive

will be dightly best from the second or ordered Proposes.  $\frac{\sqrt{28}}{28}$  is well as the description

that is dight; but has be made a submade become and in set in home  $\sqrt{n_0^2-n_1^2}$ 

Physics of the college.

Saleshading p. desp in Eq. (1948), on home

Andrew Street, Street,

Security of the price of the best

Homeing Facility woulder Consulters, documents the relation 4....

In the case of beautile disrepting to comit it with the temporar Property in combination for

A-a

The office, to the officers of direction, the recommensation uples to the the Disspection of the applied force oraquely of the custod Prospection of the medition List destinates of distributed in the amplitude should become adults. However, damping is more accountly more and in the amplitude should become adults. However, damping is control that representation to amplitude in several trades. Thus, we see that the imaging accorded the response-rest of assessment that the processors of the control information and affirm facine agrees.

(ii) At less diving Programs (p. 1 - 4.), tang in a small public quantity and the divina collision to small to those olds being lates.

(3) In high fitting Empates (a - - a), map to a real) map to aposite until the drover conflictor to not of above costs: the disting hors, i.e., there is a phase

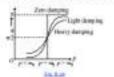
$$z(\alpha \frac{\Gamma}{2})$$

Element of hereing her proportion and the investment

DESCRIPTION OF THE

(Explanation Lighthalted the time top house by (2).

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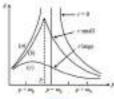
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$$A\sin(pr-p) = \frac{F_0}{\sin(-pr)^2 + 4e^2p^2} \sin(pr-p)$$

The indicates as any instead of the

$$\begin{split} \frac{dv}{dt} &= \frac{f_1 g^2}{\sqrt{(m_0^2 - p^2)^2 + 4 \pi^2 p^2}} \cdot 0.00 \, pt - 4) \\ &= \frac{f_1 g^2}{\sqrt{(m_0^2 - p^2)^2 + 4 \pi^2 p^2}} \cdot \frac{f_2 g^2}{\sqrt{(m_0^2 - p^2)^2 + 4 \pi^2 p^2}} \\ &= \frac{f_2 g^2}{\sqrt{(m_0^2 - p^2)^2 + 4 \pi^2 p^2}} \end{split}$$

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Assessingly on (0.000 - 0.000) = 0.000 - 0.000 = 0.000 = 0.0000. This shows that the relatity leads the physicians of (0.000 - 0.000) = 0.0000 = 0.0000. This simplifies depends spoon for when of (0.000 - 0.000) = 0.000 = 0.0000 = 0.0000.

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$$\int_{1}^{\frac{1}{2}} \frac{dx_{1}^{2} - p^{2}y^{2} + 4x^{2}p^{2}}{dx_{1}^{2} - p^{2}y^{2} + 4x^{2}p^{2}} dx_{1}^{2}p^{2} + 4x^{2}p^{2}$$

$$\int_{1}^{\infty} \frac{f_{1}^{2}}{a^{2}} x = \frac{h}{2h} \int_{0}^{\infty} dx_{1} dx_{2}^{2} + \frac{1}{2h} \int_{0}^{\infty} dx_{1}^{2} dx_{2}^{2} + \frac{1}{2h} \int_{0}^{\infty} dx_{1}^{2} dx_{2}^{2} dx_{2}^{2} + \frac{h}{2h} \int_{0}^{\infty} dx_{1}^{2} dx_{2}^{2} dx_{2}^{2}$$

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The joint should be be selling to

$$P_1 = (P_0 \otimes x_1 p) \frac{f_1 p}{\log^2 - p^2 p^2 + 4\pi^2 p^2} \cos(pr - q) \frac{f_2 p}{\log^2 - p^2 p^2 + 4\pi^2 p^2} \cos(pr - q)$$

$$T\left(=\frac{2\pi}{p}\right)_{\text{main range that identities}}$$

$$\frac{1}{n}\sin pt\cos pt \text{ and } \frac{1}{p}\int_{0}^{p}\sin^{2}p\sin\frac{pt}{p} = \frac{1}{2},$$

$$\cos pt\cos pt \text{ at } = 0 \quad \text{main} \quad \frac{1}{p}\int_{0}^{p}\sin^{2}p\sin\frac{pt}{p} = \frac{1}{2},$$

$$\cos(\frac{p}{p}) = \frac{\log p}{\log(-p^{2})^{2} + 4\pi^{2}p^{2}} \left(\frac{1}{2}\sin p\right)$$

$$\cos(p) = \frac{\log p}{\log(-p^{2} + 4\pi^{2}p^{2})}$$

$$\sin(p) = \frac{\log(p)}{\log(-p^{2} + 4\pi^{2}p^{2})}$$

$$\sin(\frac{p}{p}) = \frac{\log(p)}{\log(-p^{2} + 4\pi^{2}p^{2})}$$

This is the regression for the energy cover shooted by the uniform.

$$(M_1^2-p^2)+4x^2p^2 \stackrel{\text{or eq}}{=} \text{otherw}, \text{ a flavoration simplices},$$
  
 $x = M_1 f_1^2$ 

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$$k\left(\frac{dt}{dt}\right)$$
 or  $-2\pi i \left(\frac{dt}{dt}\right)$ 

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$$\sum_{p,s} \left(2p_1 r \frac{dt}{dt}\right) \cdot \frac{dx}{dt} = 2p_1 r \left(\frac{dx}{dt}\right)^2$$

$$2p_2 r \frac{dt^2 r^2}{dt^2} + 2p_3 r \frac{dx}{dt} = 2p_4 r \left(\frac{dx}{dt}\right)^2$$

 $\frac{2}{T} \int_{0}^{T} dx e^{y} f_{y} dx - y dt = \frac{1}{2}.$ 

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If in, said is, and the release of p the which power alreaded to half of the parameter, power, the Per-

$$A(f_{i}^{j})^{i}p^{i}$$
 $A(f_{i}^{j})^{i}p^{i}+4r^{2}p^{2}$ 

$$\begin{aligned} &f_0 = \frac{F_0}{m} & \exp(1/r + \frac{f_0}{2m}) \\ & = \sin(r) - r, \\ & = 0.5\%. \end{aligned}$$

$$\begin{array}{c} \frac{1}{4\pi} \\ & \frac{1}{4\pi} f_{1}(y) \\ & \frac{4\pi f_{1}^{2}(y)^{2}}{(4\pi^{2} - y^{2})^{2} + 4\pi^{2}y^{2}} - \frac{1}{2} \\ & \frac{(6\pi^{2} - y^{2})^{2} + 4\pi^{2}y^{2}}{(4\pi^{2} - y^{2})^{2} + 4\pi^{2}y^{2}} \\ & \frac{(6\pi^{2} - y^{2})^{2}}{(4\pi^{2} - y^{2})^{2}} + \frac{(6\pi^{2} - y^{2})^{2}}{(4\pi^{2} - y^{2})^{2}} \\ & \frac{(6\pi^{2} - y^{2})^{2}}{(4\pi^{2} - y^{2})^{2}} + \frac{(6\pi^{2} - y^{2})^{2}}{(4\pi^{2} - y^{2})^{2}} \\ & \frac{(6\pi^{2} - y^{2})^{2}}{(4\pi^{2} - y^{2})^{2}} + \frac{(6\pi^{2} - y^{2})^{2}}{(4\pi^{2} - y^{2})^{2}} \\ & \frac{(6\pi^{2} - y^{2})^{2}}{(4\pi^{2} - y^{2})^{2}} + \frac{(6\pi^{2} - y^{2})^{2}}$$

P\_pinelentri -

Fig. 1s to the books of the coefficient floor.

$$\begin{array}{c} 2\gamma \\ \alpha_1 \cdot y \cdot \\ \overline{\alpha_0 + \beta} \\ - \frac{2\gamma \epsilon}{\alpha_0 + \rho} \end{array}$$

Interesting, ireast

$$\frac{4pp}{n_0+p} = \frac{4r}{\frac{n_0}{n_0+p}}$$

$$= -r \cdot \exp(\frac{1}{2} \frac{1}{2} - \frac{1}{2} \ln p)$$

$$= -r \cdot \exp(\frac{1}{2} \frac{1}{2} - \frac{1}{2} \ln p)$$

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quality Yester to Terms of Bull-head Wide

$$\mathbb{R}(B, x) = \left\{ \exp(x^2 \cos^2(x) - 4) + \int_0^x \cos(x^2 \sin^2(x) - 4) \right\}$$

These the enterior reduced confer is all and studys in all every upon to. The

$$P_{ij} = \frac{mq}{2\pi} + \frac{mxy}{2\pi}$$

distribution in

$$\begin{split} 2\pi \frac{\frac{1}{4} \frac{m\rho^2 \beta^4 + \frac{1}{4} m m_e^2 \beta^4}{\left(\frac{m\rho^2 \rho^4}{2\pi}\right) + 7} &= 2\pi \frac{\frac{1}{4} \frac{m\rho^2 (\rho^4 + m_e^2)}{\left(\frac{m\rho^2 \rho^4}{2\pi}\right)} \frac{2\pi}{\rho} \\ &= \frac{1}{2} \frac{(\rho^4 + m_e^2)}{\rho} \cdot 7 + \frac{1}{2} \left(\rho + \frac{m_e^2}{\rho}\right) \cdot 7 \\ &= \frac{1}{2} \left(2 + \frac{m_e^2}{\rho^4}\right) \rho \gamma \\ &= \frac{1}{2} \left(2 + \frac{m_e^2}{\rho^4}\right) \rho \gamma \end{split}$$

A be-designed, and hope to their discounting bosons of a control for high models presented street. These this spalling factor is in a massive of resonance discrepance in the case of a driven francain sections.

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$$= \frac{L_{ij}^{H} + (R + \frac{Q}{C})}{R} \cdot \frac{Q}{L} + \left(\frac{E_{ij}}{L}\right) \sin \rho$$

$$= \frac{df}{dt} + \left(\frac{R}{L}\right)f \cdot \frac{Q}{LC} + \left(\frac{E_{ij}}{L}\right) \sin \rho$$

$$= \frac{dQ}{dt} \cdot \frac{Q}{L} \cdot \frac{Q}{L}$$

$$\frac{1}{\sqrt{2}} + \left(\frac{K}{L}\right) \frac{\partial Q}{\partial r} = \frac{1}{\sqrt{2}} - \left(\frac{K_1}{L}\right) \cos pr$$
(3.80)

This is an agention identical to Eq. 16 byt, with a being regional for q. File E.A.

history procedure in

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$$\begin{split} \frac{K_{0} \cap L}{LC} &= p^{2} \Big) + \left(\frac{L^{2}}{L}\right)^{2} \sin(p^{2} - \phi) \\ &= \frac{1}{12} \frac{1}{e^{2}} \frac{1}{e^{2}} \frac{1}{e^{2}} \\ &= \frac{1}{12} \frac{1}{e^{2}} \frac{1}{e^{2}} \frac{1}{e^{2}} \frac{1}{e^{2}} \frac{1}{e^{2}} \frac{1}{e^{2}} \frac{1}{e^{2}} \\ &= \frac{1}{12} \frac{1}{e^{2}} \frac{1}$$

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E the descentator of Eq. 16 per, the expression (2) of the original to the effective networks of the natural EA described to the original and the original regardings (2) of the original to



Fig. Law . The implicate size has two parts, Frequency integrabut drive measure if and the .

 $\frac{\left(Lp-\frac{1}{Cp}\right)}{\min \text{ solid-Co-contract}(1) To store sint (c) where the results and the book in store in Eq. 1.10. The sources of size to the part <math>Lp$  to

contains due to the inflator x, which inflative territors (C) and  $C_n$  the restores the to the assertion C value of a security of C . Thus,

$$\begin{split} & \frac{X - X_i - Q_i}{\log n \log n_i \beta} + \\ & \sqrt{g^2 + X^2} = \sqrt{g^2 + (X_i - X_j)^2} \end{split}$$

Pedicalisation to a

$$\frac{E_{\rm c}}{f_{\rm c}}$$
 
$$f_{\rm c} \sin(pr - q) = \frac{E_{\rm c}}{2} \sin(pr - q)$$

thelt, the sense and sed differ to the word to place maps a relate

$$= \tan^{-1} \left( I \rho - \frac{1}{Q \rho} \right) / W = \tan^{-1} \left( \frac{I_L - I_R}{W} \right)$$

The above telepropers, but no effect on the plane Light. With the Indones to a course makes the entitled (in plane) has revent and for asserting to a count door the opposite, i.e., it makes the opposite has it in the entity of the above the opposite has it in the entity of the above within

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$$l_0 = \frac{k_0}{2}$$
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Set it is approached to a Primary Character Set over the set of the set in the same these.

Non, he excitted by resource in

$$\begin{aligned} k_{C} &= Lp - \frac{1}{Qp} \\ \frac{1}{LC} &= p - \frac{1}{dLC} \\ m_{F} - \frac{1}{LC} &= \frac{1}{2\pi\sqrt{LC}} \end{aligned}$$

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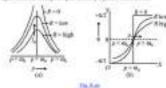
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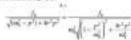


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Example 5.45

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$$\begin{split} & C = u_0^2 v + \frac{u_0}{2v} = 10 & \qquad > -\frac{u_0}{10} \\ & = \frac{2}{2} u_0 + \frac{v_0}{c_0} - \frac{3}{2} \\ & = \frac{v_0}{c_0} - \frac{3}{2} \\ & = \frac{v_0}{c_0} - \frac{3}{2} \\ & = \frac{J_0}{c_0} \left(1 - \left(\frac{3}{2}\right)^2\right)^2 + \left(\frac{1}{10}\right)^2 \left(\frac{3}{2}\right)^2 \\ & = \frac{J_0}{\sqrt{1 - \frac{3}{4}}} + \frac{1}{100} \frac{3}{4} \\ & = \frac{J_0}{c_0^2} \left(\frac{2S}{10} + \frac{9}{400}\right)^2 - \frac{J_0}{c_0^2} \left(\frac{GM}{400}\right)^2 - \frac{200}{c_0^2 \sqrt{10}} \end{split}$$

Day in danging positions to marketer where e.g., he find

$$m_{ij}^{2}\sqrt{1-p^{2}+\frac{1}{100}}+1$$
  $m_{ij}^{2}\sqrt{\frac{1}{100}}$   
 $m_{ij}^{2}\sqrt{1-\frac{10f_{2}}{m_{ij}^{2}}}$   
 $m_{ij}^{2}\sqrt{\frac{1}{30}}$   $m_{ij}^{2}$   
 $m_{ij}^{2}\sqrt{\frac{1}{300}}$   $m_{ij}^{2}$   
 $m_{ij}^{2}\sqrt{\frac{1}{300}}$   $m_{ij}^{2}$   
 $m_{ij}^{2}\sqrt{\frac{1}{300}}$   $m_{ij}^{2}\sqrt{\frac{1}{300}}$   $m_{ij}^{2}\sqrt{\frac{1}{300}}$   $m_{ij}^{2}\sqrt{\frac{1}{300}}$ 

or weed to be a not be.

$$\tan \left\{ \frac{3p}{m_0^2 - p^2} - \frac{m_0 p}{m_0^2 - p^2} + \frac{m_0}{m_0^2 - p^2} + \frac{m_0}{10} + \frac{3m_0^2}{10} + \frac{3m_0^2}{20} + \frac{3m_0^$$

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$$\begin{aligned} &\frac{30}{6 \times 10^3} = 5.33 \times 10^{-3} \text{ pg} = 6.33 \text{ pg} \\ &\phi = 3 \text{ pg} \cdot \left( \frac{20 \text{ pg}}{\text{ erg}} - \text{p}^2 \right) \\ &\text{tor}^{-1} \left( \frac{2(2 \text{ erg})^2}{\text{ erg}} - (2 \text{ erg})^2 \right) = 6 \text{ pg}^{-1} \left( -\frac{5}{3 \text{ erg}} \right) \\ &\text{sgr}^{-1} \left( -\frac{6 \times 0.085}{3 \sqrt{1000}} \right) = 6 \text{ pg}^{-1} \left( -\frac{5}{3 \sqrt{1000}} \right) \end{aligned}$$

#### Extended

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Fig. 5.49 Linearistical research

At it the case of method as mosts, in order desse, the terms are established parallel commerce or longitudinal. In such case, the periods, of the auditors confirms, adong to will also preparationals to the distortion of propagation of even, resulting in an eligibid path or the parallels. However, in self-intuition are formation to the proportional and longitudinal case.

Characteristics of View Mothers: To following important action committing notes motion and important to mescalinic

- (at Whether the work synthis is transpage, or trappolitied, it is the distribution is construint at the risk institute that transpare duringly the tendent and those to it consider of parties from conjugate to condent. The parties of this residence indicates indicate the conjugate to each time of and derive producting about footness position and the contract of the conjugate to each time of the conjugate to each of the conjugate
- (i) Each parties of the matters merion the decisions or ensure from inpresidences unallegate for mellature matter and phone on the State Source or the and conventing parties. Thus, there is a district time to place log between our two parties.
- (ii) The reliable of the particle of the medium (for partials obsetted in minute). All forms there the effects of the contraction to the early effects.

Waterbeath of place for a continuous of birth of the participa of the condition are to the consequences.

Manufact and of continuous as a consequence to will a consequence.

In a foreignment and interprise station, the variations is always payarellecture the direction of propagation of the brane. A like observe perpendituries to the variations is radial a ring and it size they do direction of interprising of the propagation.

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Wardingth: Shi Bistonia Setures the text record particle of the resultant to the streephysic of the since exists is called the text depth to of the same. If the state of time-room state this, as is appearing to the street, the same transfer count of the comment to stage to a large to the sense to review the

regression between two measurements of two commercs trought to again to the receiving by Walts in the user of lengthful of even (Tip, 1-12, the distance between the receiver of two promot temperatures or two measurements are distance to upon the feat receiving it.

Alternatively, constraints and with its defined as the designar record by the distribution or comtic and they acted IT.

The fit paid of a making the is seen a bad and in \$300 and, to recome to beat.

Frequency: The transfer of views positived per second is the irregionary (c) of the owner positive. Associally, it is also regard to the number of confidence conspired to our research by the purchine of the number. Programm is constitute the confidence of the team parted. That is,

$$\left(m = 2\pi i \approx \frac{2\pi}{v}\right)$$

So used in Breate (But) or conference control type, Augusta transposer. It requires to the store one of change of the plants of the reason monitor. A plants change of the enablant than plant to the conference of the plants of the conference out to the conference o

Ware Desident The context of communication a Relation upon to the constraint of the communication is reflect the constraints. Let

 It dischefund all good reit of vierge of plant, at a plant change of th relike count to a distance of t.

Phase Pointing: It is the relative with which phase of capal phase log. Hence we complete to the carbon, It is the relative with the case of their and it phase be-

$$44 \times \frac{\lambda}{\tau}$$

Particle Videotic The particle visions of the simple formation scients with which parties of the market sources about to equilibrium parties.

## a recognition for place progressive between traces.

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where a in the conflicts, is the consider relative and it the phase log of the portion. Here the excessive specialise in the right original of severe and opens the foregonic vectors offer a delicate instruct of these resulting for a phase log. This above log gives no increasing of the contenting the appearance of the contenting of the contention of the contenting of the contenting of the contenting of the contenting of the contention of the contenting of the contention of the contention of the contention of the contention of the



### TM. 8-3

To believe straight, that is have a dismost corresponding to a place delicates of the Print,

$$\phi = \frac{2\pi r}{\lambda}, \qquad m = \frac{2\pi}{r}$$

is path difference of a corresponde to a place difference

$$sin\left(\frac{2m}{T} - \frac{2m}{\lambda}\right)$$

It's inchesses or phase salarity than

Policinsky fire tally of Tits Southern apparent on here

$$\arcsin\left(\frac{2\pi st}{\lambda} - \frac{2\pi s}{\lambda}\right)$$

$$= a \sin\left(\frac{2\pi t}{\lambda}(tt - s)\right)$$

$$= a \sin\left(\frac{2\pi t}{\lambda}(tt - s)\right)$$

Depthins the procedure improved to recognition content in Principle Manager,

$$a\sin\frac{2\theta}{f}\left(r - \frac{e}{r}\right) \approx \sin\frac{2\theta}{f}\left(r - \frac{e}{r}\right)$$

$$a\sin\theta\left(r - \frac{e}{r}\right)$$

Plan the two is resulting bounds the late tax, respect the total experies expressed by Eq. (e.g., reachers the restrict as

$$a\sin\frac{2\pi}{\lambda}(m+(-s)) = a\sin\frac{2\pi}{\lambda}(m+n)$$

may relate a let-well

The question of a trip represents the above of the non-accious. For both contract that are in a  $\mu = 0$ , the sum of the particle has come until all place the three contracts of the contract that contracts of the particle has contracted above the contract of the contract

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who be shall to the non-serviced the release of the territories conservations that tentiless. Problem relation, is, the relation with telling the specials of the purpose confines to the condition of the problem confines to the condition of the problem.

Passir-ristory o

$$\frac{dY}{dt} = \frac{2\pi t}{3} \cos n \frac{2\pi t}{3} (nt - n)$$

. Although the fig. in pl. is all per of the digitation of come which placeholds represent the district or comprehens to

$$\frac{\partial}{\partial t} = -\frac{\partial}{\partial t} \exp \frac{\partial}{\partial t} (t - t)$$

$$\frac{\partial}{\partial t} = -t \frac{\partial}{\partial t}$$

or particle visualty of a possi-

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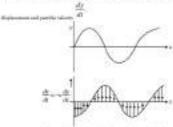


Fig. e. a. The cognition and discrete of the opening values

## Differential Squaking of Ways Shatter

Differentiating Eq. (3.8) with respect to 3, we have the appropriate of the purities.

$$\frac{d^2 f}{dt} = \frac{4\pi^2}{\lambda^2} \operatorname{cons} \frac{2\pi}{\lambda} (n-s)$$

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alia, differentiality by task, oils requel to 3, on here has an alchape of congression oils aliane.

$$\frac{d\hat{U}_{i}}{d\hat{x}^{2}} = \frac{d\hat{u}_{i}^{2}}{\lambda^{2}} \exp \frac{2\hat{u}}{\hat{u}}(m-1)$$

$$\text{Then for the solution function pre}$$

$$\frac{d\hat{v}_{i}}{\partial x^{2}} = \hat{v}^{\frac{2}{2}\frac{2}{2}}$$

This regardes in referred to an iter-differential regardess of a place correlation could progressed

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has a related conflictant of  $\frac{dN^2}{dN}$  (the territories of displacement enterty) gives the expose of the exposite the problem of the exposite the exposite that the exposite the exposition is a possible analysis to a specific N and N and N are the exposite that N are the exposite that N are the exposite that N and N are the exposite that N are the exposite that N and N are the exposite that N and N are the exposite that N and N are the exposite that N and N are the exposite that N are

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# a.g. restriction of reductly and presents to a progressive wave

a place prognostic come a represented by the equation

and the positive expressions of reductional implements g(x) above in f(x,y). The positive subsets of principle

$$\frac{dr}{dt} = \frac{2\pi a r}{\lambda} \cos \frac{2\pi}{\lambda} (\epsilon r - \epsilon)$$

antific reduction in themse in The sea-

- 916 C - 11

The facilities work in the auditor in \$65° plant's

$$\frac{\partial}{\partial t} = \frac{2\pi i}{\lambda} \cos \frac{2\pi}{\lambda} (n-1)$$

Volume data 
$$\left(\frac{\partial}{\partial x}\right)$$

$$= E^{-} \cdot K\left(\frac{\partial}{\partial x}\right)$$

$$= E^{-} \cdot K\left(\frac{\partial}{\partial x}\right)$$

$$= E^{-} \cdot K\left(\frac{\partial}{\partial x}\right)$$

the agent state  $\frac{\partial f}{\partial x}$  is the state  $\frac{\partial f}{\partial x}$  is the state of the state

from the occupant outs to here

$$\frac{2\pi K \epsilon}{\lambda} \cos \frac{2\pi}{\lambda} (\epsilon \tau - \epsilon)$$

$$= -\epsilon \epsilon$$

The rational of  $d^{\alpha}(x)$  decreases in Eq. (a) where  $\Gamma$  , is the number of the coefficient when the convergence in .



Texas

## a penergy of a photo progressive wave

To a planta progressive rears, the awary derived from a source to parasid on from our particle of the markets for the laster, and so res, marking to regular transmission of awarg across copy, whether of the markets.

The energy density (C) of a place programme came in the total energy fittings, generally peranticulation of the building through published contributions.

The deplement y of a particle of the realises distant a treat the wave originating point, at an isomer things with:

$$\begin{aligned} a\sin\frac{2\pi}{\lambda}(pt-z)\\ &= \frac{1}{(p+1)^{2}-(pt-z)}\\ &\frac{dy}{dz} = \frac{2\pi y}{\lambda}\cos\frac{2\pi}{\lambda}(p-z)\\ &= \frac{dy}{dz} = \frac{2\pi y}{\lambda}\cos\frac{2\pi}{\lambda}(p-z)\\ &= \frac{dz}{dz}\frac{y}{dz}\cos\frac{2\pi}{\lambda}(pt-z)\\ &= -\frac{4\pi^2 z^2}{\lambda}(pt-z)\end{aligned}$$

Now, we explain not volume of the conform in the form of estimate that dissect of the health problem to the woodcost, to first.

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Functioning the large to be extracted fifth, we are masses the exactly of all the partition of a the installal fitting the form. Therefore,

Biomi magnitude with trians of the partitud

$$\frac{1}{2} = \{ |\mathbf{u}_{\mathsf{A}\mathsf{A}\mathsf{B}}| > \{ |\mathsf{velocity}|^2 = \frac{1}{2} \, \mu_{\mathsf{A}}$$

.

$$\frac{1}{2}p\frac{4\pi^2x^2}{\lambda^2}p^2\cos^2\frac{2\pi}{\lambda}(xr-x)$$

$$\frac{\pi^2x^2p}{\lambda^2}e^2\cos^2\frac{2\pi}{\lambda}(xr-x)$$

Fairs unling by soil tollate.

$$4\pi \frac{d^2y}{dx^2} = \frac{4\pi^2x^2p}{2x^2}$$

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$$\int_{0}^{\infty} \frac{dx^{2} \varphi_{1}(x)}{\lambda^{2}} = \frac{dx^{2} \varphi_{2}}{\lambda^{2}} \int_{0}^{\infty} \frac{dx^{2} \varphi_{2}(x)}{\lambda^{2}} - \frac{dx^{2} \varphi_{2}(x)}{\lambda^{2}} \frac{dx^{2} \varphi_{2}(x)}{\lambda^{2}} = \frac{2x^{2} \varphi_{2}(x)}{\lambda^{2}} + \frac{2x^{2} \varphi_{2}($$

This not does in most to be confused to the first of potential manage. These potential energy for our valents of the confuse.

$$\frac{(n^2r^2p^2+1)m^2}{4\pi}((r-t)^2)$$

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$$\frac{2\pi^{2}e^{\frac{1}{2}e^{\frac{1}{2}}}}{k^{2}}e^{\frac{1}{2}}\cos^{2}\frac{2\pi}{k}(x-z)+\frac{2\pi^{2}e^{\frac{1}{2}}}{k^{2}}e^{e^{\frac{1}{2}}}\sin^{2}(x-z)$$

$$\frac{2\pi^2 r^3 p n^2}{\lambda^2}$$

$$2\pi^2 \left(\frac{r}{k}\right)^2 p n^2 = 2\pi^2 r^3 p n^2$$

$$\left(\text{Diagramicy of } r = \frac{r}{k}\right)$$

Here, it is trajectoric to use the hole foreign and privately employ of the own digenal spectics and studies with the tree ways, is palaposited at both county.

Energy Common behavior of a Warre E on take the sport resident area of the case in the subjects may regard the could income per sent reliant to many density E. Service as the total energy per court integrity of the court. This pringerise many, more length engils in the reliants is to all this pointer were remain. On many transferred per stream in the energy continued in a chapping.

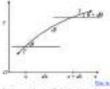
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tagle and it has different and community the community of the first fee begins of the personal distance in glover by-

$$\int_{d_{\perp}} \left[1 + \left(\frac{dy}{dx}\right)^{2}\right] dx$$

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$$\theta = \tan \theta + \frac{dv}{dt}$$
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obusite adverger, who to be pole obusities the definition is contained. The difference between

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$$T \frac{d^2 y}{dx^2} dx = \mu x \epsilon \frac{d^2 y}{dx^2}$$
  
 $\frac{d^2 y}{dx^2} = \frac{\mu \mu}{T} \frac{d^2 y}{dx^2}$ 

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Solution of the Work Equation; its column of the less reporter (Eq. 3.21) of particular be impended; section radialises; and it, in present eduction is of the hearty - Cox - closely - Cox -(1) Element, a soon enoughts which a to a representation of the factor.

$$\frac{dx}{dt}$$

$$\frac{d^2x}{dt^2} = d^2x t - d$$

$$\frac{d^2x}{dt^2} = e^{\frac{x}{2}(x) + d}$$

$$\frac{d^2x}{dt^2} = \frac{1}{e^2} \frac{d^2x}{dt^2}$$

$$= 0.04$$

for is a City a City and it is a facility of the contraction of Eq. (3, 20). Studiedly, then can private discussed by a 1 to 4 of the

## 4.7 sharestwintly impedance of a civing

Must vive prought firing) are tailion, the assesser to repellors which it is discreteriors of the bediens if the prefixed in hosters and possessor as ballette or dissipative mediation. An imposture is determined by the two margo charge parabates, burile and earthirt, and the impackage is not Movine; if a less madination is planned, it smalls to a extending balon, in Instantonics.

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Fig. 4.74 is raction basis for defining one and at a policy behaving as a trivial satisface. Authorized and help said

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where the amplitude A near he complete due to the phase polytoscoling with those E. at Ind. and al-Statistics, i.e. b.

$$T_{CC} = T \left( \frac{dT}{dt} \right)_{colo} = 0.27 A e^{i k t t} = 0.$$

$$\frac{F_{CC}}{dt} = \frac{F_{C}}{dt} \left( \frac{v}{T} \right)$$

$$\left( \frac{F_{C}}{dt} + \frac{v}{T} \right)$$

$$\left( \frac{F_{C}}{dt} + \frac{v}{T} \right)$$

$$= h_{CC} = \frac{F_{C}}{dt} \left( \frac{v}{T} \right) e^{i k t t} = 0.$$

$$T = \frac{F_{C}}{dt} \left( \frac{v}{T} \right) e^{i k t t} = 0.$$

$$T = \frac{F_{C}}{dt} \left( \frac{v}{T} \right) e^{i k t t} = 0.$$

Tomor state videological

$$\beta = E_0 \left( \frac{\gamma}{T} \right) e^{i(\mathbf{n} \cdot \mathbf{r})}$$

where the value is much too

Then the care related to a dissession for hands and the dissession like increasing in also department on these properties.

## 6. If reflection and instinuishes of wares on a string at a branches

4 strag offices discovered; impeliant to to be seen property, irong t. The trick insent to later have the seem regard to a political regard to public or such as it a beautist. Suppose a string possible of two auctions ensemble of a point y = y file, a 25 with resempt mention I' alway the effects string. Let the pen section; here figure baselines, and it, and, Stanfore,

$$\frac{T}{h} = q^4 \text{ and } \frac{T}{\theta_1} = p^4$$

the trees reduction to the test sections on Suppositions of the first anothers where x > 2 and x > 3 X.



The N. B. Westerman rating rational and Equations in a co.

No localistical interest transform places for electron countries for disconnectional in temperature on the positions or in Theoretics, of this position, regard of the temperatures of confincted and the remaining good of it is transactional than the region or in temperature is no.

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Santag conditions A, and mending to the position in discourse to the valenty of the reduction and communication conditions to ASS classes, i.e., the reduction of the conditions and communication conditions and conditions are conditional conditions.

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[1] A provision of confection that the displacement to the case in the left and digits of a - 4 level from on that there is no incommittee of displacement.

(ii) A Comma condition that there is extinctly of the transverse from a (1 - K, 1 -, 1) are the continuence product. This is no nimetric condition, then are no a transfer for the comma nimetric conditions of the comma nimetric conditions of the comma nimetric condition of the comma nimetric condition of the condition of the

As a big the experience of process and agrees and

The bounder-specificies (17 topolor)

$$t = \frac{d}{dt}(n+p_1) \cdot t = \frac{dp_1}{dt}$$

Permy the nation of p. a. and p. differentiating and using y = 1 for pld 1, we obtain: -4.75 + 4.78 x = 4.75.

$$\frac{x_1}{x_1} = p_1 x_2 - x_3^2$$
 and  $\frac{x_2}{x_3} - p_2 x_3 - x_3^2$ 

$$E(4-B) = Z(4+B)$$
  
or  $A(E-E) = B(E+E)$ 

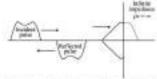
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amplying that the error to completely extended with a place depape of  $\sigma$  and no place extended to the contain the tension of recording views, in the circ in  $(D_{1}, y_{1})$ , a group of views being not contained by the contained of  $D_{1}$  and  $D_{2}$  and  $D_{3}$  and  $D_{3}$  are recorded by the contained of  $D_{3}$  and  $D_{3}$  and  $D_{3}$  are contained to the contained of  $D_{3}$  and  $D_{3}$  are the place of the contained of  $D_{3}$  and  $D_{3}$  are the place of the contained of  $D_{3}$  and  $D_{3}$  are the contained of  $D_$ 



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The force of many artial a de honday to a to be sound arting oith de incident man, that is

$$\frac{1}{2}\rho \omega^{2}A^{2}v \approx \frac{1}{2}T_{\rho}\omega^{2}A^{2}$$

The same will always have the boundary through policied and techniqueted interest.

$$\frac{1}{2} p_{ij} p_i p_j^2 \left[ \frac{1}{2} p_{ji} p_i^2 p_j^2 \right]$$
 $\frac{1}{2} Z_i p_i^2 p_j^2 \left[ \frac{1}{2} Z_j p_i^2 p_j^2 \right]$ 

and the transfer 
$$\frac{R_i}{A_i}$$
 and  $\frac{A_i}{A_i}$  is 
$$\frac{1}{2} \omega^2 A_i^2 \frac{Z_i Z_i - Z_j S^2 + 4 S^2_i Z_i}{(Z_1 + Z_j)^2}$$

$$\frac{1}{4} Z_i \rho^2 A_i^2$$

which is equal to bit modest every. Thus, the energy is more educating a satisfied sources equal to the energy further accept for the accept

Reflected and Transmitted Intensity Coefficients. They are given by the siderals relations.

## Baffected mergy Incident emotory

$$\frac{Z_1B_1^{ij}}{Z_1A_2^{ij}} = \left(\frac{B_1}{A_1}\right)^i = \left(\frac{Z_1 - Z_2}{Z_1 + Z_2}\right)^i$$
Transcatted energy

facidant damp

It is that from Eq. (a profile 127 + 27 or many is referred, i.e., the softer inside many is prosperate to all 1-27. The importance are soft to be constant.

## a. sv krapočnovo znančbang.

begades to making it in the entire of positive consideration to the pressure of some market and a local Long Manners within according between accept careful by pathods, the propagation of making and the prices in world various of single, their indicates. The price requisite from any gaments in markets where the local market for gamenter frequenties, a localization is market any gaments in the large-dates of an amplitude, by changing the return according to the coupling prospection. This market of vicing provided accepting frame or required the impulsion, it is described in the to supplicating given in the content of aprils. To take have the market, but in the confiderating given in the content of aprils. To take have the market, in the con-

No have dismost order that what a small below mine harvest on range of Ellman importance, except in reflected or the benefits. We are now public to see that the function of a performance of the product of the contract of the performance of t

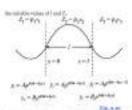


Figure 4.0 depth the incident, referred and minimated discharment of the incident ( = 0 and > < 0 to constitute in lasts the min

Transmitted energy 
$$Z_14$$
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$$Z_1(4\mu^{-4\gamma}-2\mu^{-4\gamma})$$

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$$B(A - A - B + A) = B(A - B)$$
  
 $A(B) = D + B(B) - D$ 

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$$\frac{A_j}{k_{1,i}s_{i,j}}(|c_{j,j} + b)c_{j,j} + |be^{ik_jt} + bc_{j,j} - |bc_{j,j} - |be^{ik_jt}|$$

$$\eta_1 \rho_{11} = \frac{Z_1 Z_2}{Z_1 Z_1} = \frac{Z_1}{Z_2} = \rho_{10}$$

S. on benefits:

Garlielo, et c.: Elle-methodic el progrimo

$$\begin{split} \frac{d_1}{2q_1} \Big[ (q_1 + 1) \cos \phi_1 ] + \phi_{11} + \phi_{12} (\sin \phi_1) \Big] \\ & \left[ \frac{A_1}{A_1} \right]^{-1} \\ & \left[ \frac{A_2}{A_1} \right]^{-1} \\ & \left[ \frac{A_1}{A_1} \right]^{-1} \\ & \left[ \frac{A_1}{A_1} \right]^{-1} \sin^2 \phi_1 + \frac{A_1}{A_1} \sin^2 \phi_2 + \frac{A_2}{A_2} \sin^2 \phi_1 + \frac{A_1}{A_2} \sin^2 \phi_2 + \frac{A_2}{A_1} \sin^2 \phi_2 + \frac{A_1}{A_2} \sin^2 \phi_2 + \frac{A_2}{A_2} \sin^2 \phi_2 + \frac{A_1}{A_2} \sin^2 \phi_2 + \frac{A_2}{A_2} \sin$$

$$V = \frac{A_2}{4} \cos k y' = 0$$
and  $\cos k y = \cos x$ 

Z,4

$$Z_1A_1^2 = A_{11}$$
  
 $Z_1A_1^2 = (c_{11} + c_{21})^2$ 

Mag to 11 to Johns

$$\frac{Z_1A_1^2}{Z_1A_2^2}$$

 $Z_2 d_2^2$ 

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$$\frac{k_1}{4} \qquad k_1 = \frac{2\pi}{k_1}.$$

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founding to the prescript of experipations when two or more prompagating risingular resultant street because of professional contents of the professional professional and professional contents of the street contents of the discharges and an extending content.

Here, p(x, t') is the median displacement at the quotien x and horses t with p(x, t), p(x, t), p(x, t). — the final displacement due to the stress x, y, y. — to provide the same location x and the same content of time t.

This principal deposits aport the linearity of the view equation said the corresponding dissercontinuous property of his advisors, it is not salled the principle of their appropriate. This principle is of inertial impression and applies to all tips of twent, facilities, destromagneds

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Consider a monodemental over all improves or and amplitude a propagating along the film time and parallel overs of might such do not improve, or served in the trade of the state of the probability of impropriation, the designment on the integration of our results or provide or

Note the boundary condition  $p \ge -0$  of p > 0 and p < 0 for all time. Using the boundary condition  $p \ge 0$  of p > 0, p > 0.

This implies the less than a varie of the direction precing the building impoisson as token and in completely reflected with a spinor charge in applicable.

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The upones sending the resulting the industrial near their independent from of the own

$$\frac{d^2f}{dd^2} + b^2g$$

$$= \frac{1}{a^2}\frac{d^2g}{dt^2}$$
 $\left(-\frac{a^2}{a^2}\right)p$ 

$$\frac{1}{r^2} \frac{d^2 y}{dr^2} \cdot \left( -\frac{dr^2}{r^2} \right) y = -k^2 y$$

Citing the bounding conditions position is a citizenal to give

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$$\frac{k_1}{2} \Rightarrow k_1 \circ 3$$

- Value of the resident of the part

$$\frac{y_1}{2} \Rightarrow / \circ$$

for a cital and become

$$\frac{X_1}{2} \cdot \lambda_1 = \frac{2}{3}$$

the et al., i.e., pell improvedir.

$$\frac{4\lambda_0}{2} \mapsto \lambda_0 - \frac{1}{2}$$

The online displacement for the first hardware one deem in Just just as otherwise to the first hardware in the first hardware in the produce of the second produce of the first p

When value v = 0 and v = v convergence is v = 0 and v = 1 respectively, and as increase first result, there are v = 1 as prefer to the state of the state v = 1 and increase where this despitements v = 1 are the state of the state v = 1 and v = 1 and

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$$|\hat{f}_{ij}| = -\alpha I(\hat{\mathbf{m}}) \frac{d(\hat{\mathbf{m}}_i)}{\hat{\mathbf{h}}}(\hat{\mathbf{m}}_i + \epsilon).$$
 The terminal partition refer for the expression less

$$a\sin\frac{2\pi}{k}(at-a)-a\sin\frac{2\pi}{k}(at+a)$$

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$$a\sin\frac{2\pi}{\lambda}\left(d-1\right)$$

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$$\min\left\{\frac{2\pi i v - 2\pi c}{\lambda}\right\}$$

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$$-k\left(\frac{\partial E}{\partial r}\right)$$
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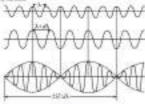
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$$y = \frac{m}{k} = \frac{\lambda}{7}$$

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Let us travelle is given bounded upon of a year of equilibrium pressure F, in tigen F, and denote F. Let F be the last over F many F and F be the same bounder and F or F. In F, which we have bounded and F or F or F be the following pressure F and F be the following pressure F and F be the following property any element of F and F be the following property any element of F be the following property and F because F is an F because F is a superfixed F.

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$$\frac{PT \cdot dP}{PT \cdot dP} = eqt$$

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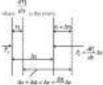
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$$\sum_{\substack{i \in A_i \\ m \in A_i}} \frac{v}{r_i} = \left(\frac{d\eta}{dv}\right) \frac{\Delta u}{\Delta v} = \frac{d\eta}{dv} = 0$$



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$$P_{\epsilon} = \left[J_{\epsilon}^{\epsilon} + \frac{dP_{\epsilon}^{\epsilon}}{dx}\Delta x\right] = -\frac{dP_{\epsilon}^{\epsilon}}{dx}\Delta x$$

$$-\frac{d}{ds}(\partial_t^2 + y) \delta \delta \sigma = -\frac{dy}{ds} \delta \sigma$$

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 $\frac{\partial \mathbf{r}}{\partial t} = -g \mathbf{r}_{\mathbf{h}} e^{i \mathbf{r} \cdot \mathbf{r}} + g \mathbf{r} \cdot \mathbf{r} \cdot h$   
The boundary  $h : h \cdot \mathbf{r}$   
 $e^{i \mathbf{r} \cdot \mathbf{r}} = -g \mathbf{r} \cdot h$ 

And recovery processors, p. o. 25, p. o. 25, Mar., Carlotte.

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$$\begin{aligned} & \frac{\partial \mathbf{q}}{\partial t} = \partial_t \mathbf{q} - \partial_{t_t} \mathbf{q} - \partial_{t_t} \mathbf{q} \\ & \frac{\partial \mathbf{q}}{\partial t} = \partial_t \mathbf{q} \mathbf{q}_{t_t} \partial_t \mathbf{q} - \mathbf{q} \mathbf{q} \\ & \frac{\partial \mathbf{q}}{\partial t} = -\partial_t \mathbf{q} \mathbf{q}_{t_t} \partial_t \mathbf{q} - \mathbf{q} \mathbf{q} \\ & \frac{\partial \mathbf{q}}{\partial t} = -\partial_t \mathbf{q} \mathbf{q} - \mathbf{q} \end{aligned}$$

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$$\frac{d\eta}{dt} = -d\eta = -r \text{ or } r = d\eta$$

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$$\begin{split} & = Z_1 \eta_1 - Z_2 \eta_2 + Z_2 \eta_3 + Z_3 \eta_4 \\ & = \eta_1 (Z_1 - Z_2) - \eta_1 (Z_2 + Z_2) \end{split}$$

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$$\begin{array}{cccc} \frac{f_{*}}{f_{*}} & \frac{2f_{*}^{2}f_{*}^{2}m}{2f_{*}^{2}f_{*}^{2}m} \\ & \frac{Z_{*}-Z_{*}}{Z_{*}^{2}+Z_{*}^{2}} \end{array}$$

$$\begin{array}{ccccc} \frac{f_{*}}{f_{*}^{2}+Z_{*}^{2}} & \xrightarrow{j_{*}>0} \\ & & \frac{f_{*}}{f_{*}^{2}} & \xrightarrow{j_{*}>0} \end{array}$$

$$\begin{array}{cccccc} \frac{f_{*}}{f_{*}^{2}+Z_{*}^{2}} & \xrightarrow{j_{*}>0} & \frac{f_{*}^{2}f_{*}^{2}}{f_{*}^{2}+Z_{*}^{2}} \end{array}$$

$$\begin{array}{cccccc} \frac{f_{*}^{2}}{f_{*}^{2}+Z_{*}^{2}} & \xrightarrow{j_{*}>0} & \frac{f_{*}^{2}f_{*}^{2}}{f_{*}^{2}+Z_{*}^{2}} \end{array}$$

Street Sec. On Self-seed \$4.76

$$\begin{array}{c} \frac{1}{L} + \frac{1}{L} \cdot (Z_1 + Z_2)^2 + (Z_1 + Z_2)^2 \\ \frac{2C_1 + 2C_2}{(Z_1 + Z_2)^2} + 4C_2L_1 \cdot \frac{2C_1 + 2C_2}{(Z_1 + Z_2)^2} \\ \frac{2C_2 + 2C_2}{(Z_1 + Z_2)^2} + \frac{2C_2 + 2C_2}{(Z_1 + Z_2)^2} + \\ \frac{2C_2 + 2C_2}{(Z_1 + Z_2)^2} + \frac{L}{L} \\ \frac{L}{L_{tree}} \cdot \frac{L}{L} + \frac{L}{L} \\ \end{array}$$

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$$\left[ BB + A_{2} \right] B + A_{2} \left[ BB B B B + \ldots + A_{2} \right] B B B B B$$

+ 
$$\mathbb{E}\left\{\cos \omega dt + ... + R_{\epsilon}\right\}\cos \omega dt dt$$
  
 $\int_{A, F} \left\{ -\frac{1}{2}\sin \omega dt - \frac{1}{2}\cos \omega dt dt + 0 \right\}$ 

Print the above expenses it is visit that it, represent the man take of the Name and Appendical County of the Non-picked, Than J. A. D. sain, Box On. note of the fraction (Albaticament con to mail@in charg the liner suit. (E) Evolution of Company A., A., ... A.: Millioning Eq. (p. 4070 complant

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$$\begin{split} & \int_{\mathbb{R}^{2}} \min \operatorname{constr} - d \int_{\mathbb{R}^{2}} \sin^{2} \operatorname{sun} dt \\ & \frac{d_{1}}{2} \left[ 0 - \cos 2 \operatorname{constr} \right] dt = \frac{A^{2}}{2} \\ & \frac{1}{2} \int_{\mathbb{R}^{2}} \operatorname{constr} \operatorname{constr} dt = \frac{2}{2} \int_{\mathbb{R}^{2}} \operatorname{cons} \frac{2 \operatorname{const}}{2} \end{split}$$

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$$\begin{cases} y \text{ account } & R = x \cos^2 y \text{ and } \\ \frac{R}{2} \int_{0}^{2} (1 + \cos 2y \sin^2 dt) = \frac{R}{2} \\ \frac{R}{2} \int_{0}^{2} y \cos y \sin dt = \frac{2}{y} \int_{0}^{2} y \cos \frac{3\pi v}{y} dt \end{cases}$$

Petter 1 = 1, 5, 5,..., in val. obtain the whole of the constants A. A. R. ottay -

Application of Frontier's Theorem: The country below, contrapping of books and con-(I) The square basis its three in Fig. 1, it is made a square trace, inspiriture about referenced to a page hast to more because and the recommissions to this line abuses of to com-No.

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$$\begin{split} A_{\nu} &= \frac{2}{T} \int_{0}^{T} \nabla d \hat{\mathbf{z}} \nabla d \hat{\mathbf{z}} \nabla d \hat{\mathbf{z}} \\ & \text{which to this exponention.} \\ & \frac{1}{T} \left[ \int_{0}^{T} \hat{\mathbf{z}} \sin \mathbf{z} \nabla d \hat{\mathbf{z}} \nabla - \int_{T,T} \mathbf{z} \sin \mathbf{z} \nabla d \hat{\mathbf{z}} \right] \\ & \frac{2\pi}{T} \left[ -\frac{\cos \mathbf{z} \nabla d}{T} + \frac{1}{T} \frac{\sin \mathbf{z} \nabla d}{T} \right] \\ & \frac{2\pi}{T} \left[ \left( -\cos \frac{\mathbf{z} \nabla d}{T} + 1 \right) + \left[ \cos \mathbf{z} \nabla d - \cos \frac{\mathbf{z} \nabla d}{T} \right] \\ & \cos \frac{2\pi}{T} \sin \mathbf{z} \nabla d - \cos \frac{\mathbf{z} \nabla d}{T} \right] \\ & \cos \frac{2\pi}{T} \sin \mathbf{z} \nabla d - \cos \frac{\mathbf{z} \nabla d}{T} \\ & \cos \mathbf{z} \nabla d - \cos \frac{\mathbf{z} \nabla d}{T} \end{aligned}$$

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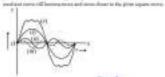
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$$\frac{d^2q}{dt^2} = \frac{dq}{dt} = q_1 = 0$$

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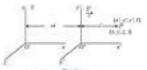
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 $a_{i_1}^{r_i} = a_i$   
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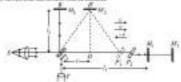
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$$\frac{1}{a+b}, \frac{1}{a-b} = \frac{1(a-a)+1(a+b)}{a^2-a^2}$$

Note that the first tipe takes to higher to be to and the impact to the relative  $\rho_i$ . Here the model distribution explains the minimal  $\rho_i$  involves H, then by the first tipe to the first H is not the first H involves a final H. H in H is an explainable to higher H if H is H. H in the explainable of H is an explainable to H in H in H is a simple H in the interval of the first H is the explainable to H in H in H in H is a simple H in the first H in H in

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$$s - t_1 = \frac{2}{s\sqrt{1 - \frac{s^2}{s^2}}} \left[ \frac{t_1}{\sqrt{1 - \frac{s^2}{s^2}}} - t_1 \right]$$

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$$\theta_1 = C_1 = \frac{1}{C_1^{\frac{1}{2}} - \frac{C_2^2}{C_2^2}} \left[ 1 - \frac{C_2^2}{\sqrt{1 - \frac{C_2^2}{C_2^2}}} \right]$$

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 $\phi(\Delta x^* - \Delta x) = -6[+\frac{1}{4}]\frac{x^2}{2}$ 

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Direction had developed Lemmit; tricederinative behaviorably said derived for into in not independent of the coordinate against, i.e., c = 0. This direction changed the age old except of against and their Albergh,  $c = \infty$  receive but difficult in sample the form lathest defined as desired plaints with c = c = 0. In the Casari shadows.

#### CONTRACTOR STREET, STR

Describes of six physical order is appealed by these agency conditions (i.e. p. e) and the time of its space two conditions (i.e. p. e). In addition to make making place that agenc and decidence of an exercision of an event making with the condition of the cond

Let us consider the frames of velocious  $\theta$  and  $\theta'$  (Figure in (v, the brane  $\theta'$  growing with emission velocity v and g' in the letter Suppose. Our was two chainings of and  $\theta'$  in the frames  $\theta$  and  $\theta'$  in deposition  $\theta$ , and are in force of the confident frames with velocities  $\theta'$ , and  $\theta'$  is the supposition  $\theta'$  and  $\theta'$  is  $\theta'$  in the confident frames with velocities  $\theta'$ , and  $\theta'$  is proved in part of the confident  $\theta'$  is  $\theta'$  in  $\theta'$ 

. Smill dis, for the descript \$1 is the branch, the conditions of \$1 and \$1 and \$1 a condition in the description of \$1 and \$2 are a

According to the executing postulates, the ratios of a facing the parts in all insettid flagmes. Here, we pass to a shade the anisotroposition intersecting a g. or a said on pay, they in such time has found and provided the said anisotroposition in the said anisotroposition in

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transfer matter most related to Californi improvement has been related in the color of a tay of v to 1.

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$$\left[1 - \frac{\ell}{\ell} \left(1 - \frac{1}{\lambda^2}\right)\right]$$

Nakalisming the halous of it work? Your Equ. in all hand the end, in Eq. (per arts mages

$$\lambda^2(s-t)\beta-c^2\lambda^2\bigg[(-\frac{s}{p}\bigg(1-\frac{1}{k^2}\bigg)$$

\_\_\_

In order to saidly this blacking the multiplicat of rection persons of a said a distribution appearable. Equating multiplications of waters, we get

$$\frac{1}{2M_{V} - \frac{N^{2}N^{2}}{V}} \left(2 - \frac{1}{M}\right) = \frac{1}{N^{2} - \frac{N^{2}N^{2}}{V}}$$

$$= \frac{1}{N^{2} - \frac{N^{2}N^{2}}{V}} = \frac{1}{N^{2}N^{2}}$$

$$= \frac{1}{N^{2} - \frac{N^{2}N^{2}}{V}} = \frac{1}{N^{2}N^{2}}$$

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Flow, the transferentials, i.e., espectoe electing coordinates in the force ECC, y. J. Fl. to that in the force ECC, y. J. Fl. to that

$$x = \frac{x^2 + xy^2}{\sqrt{1 - \frac{x^2}{x^2}}}$$
  
 $y = \frac{y}{x}$   
 $z = \frac{y}{x}$   
 $z = \frac{y}{x}$ 

We have been been been been refused as

which are fulfilled transformations. Thus, for the low velocit of relating is the James's transformation velocity of Gelline transformations.

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This, the transformation, i.e., equations inlating anniholase to the base \$10.1 yr, or \$100 flow to the beste Sittle and Chinesives for

$$x = \frac{x^2 + 1T}{\sqrt{1 - \frac{x^2}{x^2}}}$$
  
 $x = y^2$   
 $x = \frac{x^2 + \frac{x^2}{x^2}}{\sqrt{1 - \frac{x^2}{x^2}}}$   
 $x = \frac{x^2 + \frac{x^2}{x^2}}{\sqrt{1 - \frac{x^2}{x^2}}}$ 

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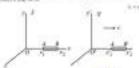
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Anna

$$\sum_{i=1}^{n-1} \sqrt{1-\frac{p^2}{p^2}}$$

$$C_i \sqrt{1-\frac{p^2}{p^2}}$$

$$C_i \sqrt{1-\frac{p^2}{p^2}}$$

$$C_i \sqrt{1-\frac{p^2}{p^2}}$$

So the discovering the frague 5 floats the root all in the floats 5 to be writtened. This is will be

Responsible of Length Contractions (angles the old to be glosed at set in the frame F with more sumflicted  $(F_n, h, H, and (F_n, h, h), h)$  in the frame F being the frame F being the sum of the same of the contract F in the frame F.

I in above I'm its inon-Pressure the legal of the call in all shoots

$$\frac{\frac{d_1-M}{\sqrt{1-\frac{d_1^2}{d^2}}} \text{ and } x_1^2 = \frac{x_1-M}{\sqrt{1-\frac{d_1^2}{d^2}}}$$

$$x_1^2 - x_1^2 = \frac{d_1-M}{\sqrt{1-\frac{d_1^2}{d^2}}} - \frac{\frac{d_1-M}{\sqrt{1-\frac{d_1^2}{d^2}}}}{\sqrt{1-\frac{d_1^2}{d^2}}}$$

$$\frac{d_1-d_1}{\sqrt{1-\frac{d_1^2}{d^2}}} = \frac{I}{\sqrt{1-\frac{d_1^2}{d^2}}}$$

$$\frac{d_1-d_2}{\sqrt{1-\frac{d_1^2}{d^2}}} = \frac{I}{\sqrt{1-\frac{d_1^2}{d^2}}}$$

They so had they seem to be high appearen by all manifestal to the condition extent in

which 
$$T$$
 is  $\sigma$  and which the least against the contraded by  $\sqrt{1-\alpha^2}$  , where to the exist selection

But the settled collected upon the squared of the makinged volume is optional by social accordance to received. The semi-sector is construct with the fact that possible. Hence, it has sometime control and in cost to some and not be the other, from one model determine the decision related to the comparison of the decision related to the last to comparison of the decision related to the comparison of the decision related to the last to comparison of the decision related to the last to comparison of the decision related to the last to comparison of the decision related to the last to comparison of the decision related to the last to comparison of the decision related to the last to compare the decision related to the last t

Parelon, that is the entirection if there are two identical scale is seen, one in Faculties often in  $\Gamma$ 

such of the observer that what the old in the other that is detected also as  $v \to -\infty$  that for the order of light, the constant length asymmetric such a  $v \to -\infty$  that is a supervised that where of light, the constant length asymmetric such a  $v \to -\infty$  to  $v \to -\infty$  to the soft source will for which colligin, to length reduces to some which is a detailed to append to a property of the collinear colliging to the source of the collinear colliging to the collinear col

#### on R a Rahmintor of These Toma Dilution.

Ching Laborate Intended Spetters, but have

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Let us equilité ver frame d'adenne. Faut fils, et leur, fil s' proving et hi collème solocité e sont de la filse d'adenne. Calcul, a cesta i les tres entent alle plans et fils mon point es space. The time harvail bette un dias mettre et space d'aux étans et le filse fil che met filses, i le fils, des proper time. Il fils, i les proper time filses et la filse fils de proper time filses fils proper time filses.

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H=0,-10, there is a the largest of the first sense and m, that it the second.

Association than to the community for Dr. on pri-

$$\frac{h - \frac{h^2}{2}}{\sqrt{1 - \frac{h^2}{2}}} = \frac{h - \frac{h}{2}}{\sqrt{1 - \frac{h}{2}}}$$

Binary is a 3 x <sup>3</sup> is 2 to 3 change large than Ta, Inc. the time learned between the entry condition in a given pairs as observed for an observed in a reality fitting. So appears in the impairs of difficult in the best of considerated on present date. As other venture that the proper constraint to minimum. This effect is 300000 in their difficulties and in equivalent to the principle over all minimum. This effect is 300000 in their difficulties and in equivalent to the principle over all minimum.

A shock or sets to the home & will appear to our or a former can be up discover in the home I'. Resulting one was then a general roles energy final appears to our of the finite roles of our first of

red, relative to the absence-thal appears to be already down by the Sector  $\sqrt{r^2-2r^2}$  solution an observer making also hadronly in

Related to the office of time officers in turbs pureable, i.e., of the tree descript into a linear pure of a high specific is a relate and the other state below in the world, the foreign, when he extracts had to the world, he will be evaluated than others are.

Note that the second has seen as the state are the second for second to both the features and the second for second to the state are the state of the second to the second

As write as placed than dilution to the laborators the following conditions must be extended.

- (if the link should be every rath-size into need ).
- 10 Ter entremonaring a telegraduat of the speed of
- (3)) The first insend between the create district to sufficiently store as that the mean return within a manualist observered of the best, offerning the bilineary expenses will be increasingly loss.

Experimental Verification: Many instituted parties discussed agreements have need when two moved, which this Director is a form of relations. Fire which the parties is at one, is, is to see from all relations of mount liketime of lateral by a solid in half of a proper feltow or the parties, the fraction of relations of the parties of the lateral by a solid in a serving with interferpolaries in S. M. Miller and Hilland Str.

The readors particles of interest on positioned with specific (a) is relocated by many particles generated by a terrahamoglobus confirm a target. These neutron dense therein the common dense continued such that to rever their interest of (2.0 to 10 to many), with the particles disappead (2.0 to 10 t

 $\label{eq:control_fit} White Indian problem is fulfilled as the control of the control of the particle by T. Some.$ 

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$$\frac{N}{N_0}$$
,  $\left(\frac{1}{2}\right)^{24} = \left(\frac{1}{2}\right)^{24} = 2^{124} = 1022 \text{ or } 20$ 

From the first of a serious double determine approximately (1) of the original flow in wordings on a Tan 16 first, satisfied absorbed one mark the his

This discrepture was being broad to sales bring degree yet their falls using the effective

$$\lim_{t \to \infty} \frac{\sqrt{1 - \frac{e^2}{e^2}}}{10 \times 10^2 \sqrt{1 - \left(\frac{e^2 M_b}{e^2}\right)^2}}$$

$$= 0 \times 10^2 \sqrt{1 - \left(\frac{e^2 M_b}{e^2}\right)^2}$$

This is not those the half life. Seems, though the time the first detail to those to  $\gamma$  — and so leafly the seems as almost the

From this experiment it is clear that in the followors recommend the time ratio for a recom-

for your great is an every second, while for the Armanian flatourism introduces in the fine is a given one. They, in the other flatourism of the flatourism

#### and a Transfermenton of Televition

We now need to obtain transferred in regarded remarking the relation of a partial to the frames S and S. Let the remark to the frame S by  $(a_1,a_2,a_3)$  and the  $(a_1,a_2,a_3)$  of  $(a_2,a_3)$ . Then

$$\frac{dx}{dt'}$$
 and  $\frac{dx'}{dt'}$ 

Personal community and the Part Street, or here

$$\frac{dz - vdt}{\sqrt{1 - \frac{v^2}{c^2}}} dy' = dy, dz' = dz$$

$$dy - \frac{v}{c^2} dx$$

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Ferries, decling the necessary and demonstrate of the date based policy of all the attent experience in all except

$$\begin{split} v_{s}^{s} &= \frac{a_{s} - c}{1 - \frac{1}{2}a_{s}} \\ v_{s}^{s} &= \frac{a_{s} - c}{1 - \frac{1}{2}a_{s}} \\ v_{s}^{s} &= \frac{a_{s} - c}{1 - \frac{1}{2}a_{s}} \\ v_{s}^{s} &= \frac{a_{s} - c}{1 - \frac{1}{2}a_{s}} \end{split}$$

The leasest management on the

$$\begin{aligned} & \mathbf{x}_{i} = \frac{M_{i} + V}{1 + \frac{N}{j^{2}} \mathbf{x}_{i}} \\ & \mathbf{x}_{i} = \frac{M_{i} \sqrt{1 - \frac{N}{j^{2}}}}{1 + \frac{N}{j^{2}} \mathbf{x}_{i}} \\ & \mathbf{x}_{i} = \frac{M_{i} \sqrt{1 - \frac{N}{j^{2}}}}{1 + \frac{N}{j^{2}} \mathbf{x}_{i}} \\ & \mathbf{x}_{i} = \frac{M_{i} \sqrt{1 - \frac{N}{j^{2}}}}{1 + \frac{N}{j^{2}} \mathbf{x}_{i}} \end{aligned}$$

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third are the special tracks, i.e., the same or the College (association), When the parties is not required to the contract of the contract of

The instance is in our experi-

$$\begin{aligned} d^2 &= \frac{d-1}{1-\frac{d^2}{d^2}}, \\ e &= \frac{1-\frac{d^2}{d^2}}{1-\frac{d^2}{d^2}} \times C, \\ &= \frac{d^2 &= \frac{d^2-1}{1-\frac{d^2}{d^2}}}{1-\frac{d^2}{d^2}} \times C. \end{aligned}$$

That is, where policial is marriag with schart, of Egly's introposition for a particle forming onement but have tractive to 5, to policing or always of the medium of the forms of 5, and is. That Backers, the velocity function of the medium of the depole of a relativity (as, community of where) of SELL This is alread when the Lemma particle state and benefit on the establish of consistence of existence of these.

### in 8.4 Salaritor of Streetmosts

From Numerican or Californ related by its latter that if the stants are attended for our stants are attended in the unit stants. It will be stanted assume the off other charges broughtful at the stant of matter of the assume and the others be to see to be Carporation collection.

Function begans if and if morting with military valuely v and then find constitute a security and v is  $(v_1, v_2) = 0$  to a special some description of v in both v in  $v \in v$  and  $v \in v$ . In the Serves v, the first overs are not attributed at the Popins V, or any v is non-label. The Boson of constitution of v is the function v in v is a superficient set.

$$\frac{1 - \frac{10}{2}}{\sqrt{1 - \frac{1}{2}}} \text{ and } q = \frac{1 - \frac{10}{2}}{\sqrt{1 - \frac{1}{2}}}$$

$$\frac{\frac{1}{2}(x_1 - x_2)}{\sqrt{1 - \frac{1}{2}}}$$

4s, a.\* p., deserting in T.F., That is, the more return are used constitutions, when show and drap that items P. Then, the manage of simultaneous is obtained and an absolute.

#### and the Robert Street Phone

6. disclosed photons, it is accounted that the major of a food resource community to expect the first for selection of the first selection of the first selection or the first of a colorier. Using Lamentine extension, we shall use that it is not on. The claimes in major with resolved with all produces the interestants, major and first.

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$$m_i \left[ \frac{u^i + v}{1 + \frac{u^i - v}{c^2}} \right] = m_i \left[ \frac{u^i + v}{1 - \frac{v}{c^2}} \right] = (m_i + m_j),$$
 $m_i \left[ \frac{u^i + v}{1 + \frac{u^i - v}{c^2}} - v \right] = m_i \left[ v + \frac{u^i - v}{1 - \frac{v}{c^2}} \right].$ 

Despite to a second of the second or second or per

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,  
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In Eq. (12,195), g. to the seast of the partial physical soft relative to said g. to be seast when the relative in secs. The nature of a girthin value is it all sect to said it to set for property mans, and its results discussed from Them, when you are a property for the 10 to 10 to 10 to relative to the extension of

The expression price del consistent or the same of a particle which witness. The same of a particle when his is nowing with whicher a compared the expression Eggle a in solided an establishing on efficience same. This is for the communition of both stores and momentum in hald during solidesse, the instead the particle searching with whicher is with images to the frame X forestones. With the terminal of whollthe. Heavier, the wave wast of a particle in the Assistant annially sense of a particle.

& a legified from Eq. (19.40) that the mass of a portific grow in January 1100 torousing

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$$\sim \left[1 + \frac{3}{2} \left(\frac{p^2}{c^2}\right) + \frac{3}{8} \left(\frac{p^2}{p^2}\right)^2 + \dots\right]$$

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For a consequence of the particle and deployments become a constraint and the particle is report to the most respectively and to describe a constraint absolute.

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### 10.1 Dantella's Many Energy Behitton.

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$$(F-4)$$

when it is bound decisioned in the frames of the large Englishment of the large in-

$$\int_{0}^{\infty} \frac{dt}{dt} dt = \int_{0}^{\infty} F \cdot r dt$$

$$\int_{0}^{\infty} \frac{dt}{dt} \cdot r(t) \left( -F - \frac{dx}{dt} \right)$$

$$\int_{0}^{\infty} \frac{dt}{dt} \left( \sin t \right) dt \qquad (x, y = mx)$$

$$\int_{0}^{\infty} \frac{dt}{dt} \left( \sin t \right) dt \qquad (x, y = mx)$$

$$\int_{0}^{\infty} \frac{dt}{dt} \cdot \frac{dt}{dt} = \int_{0}^{\infty} \frac{dt}{dt}$$

$$\int_{0}^{\infty} r dt \left[ \frac{dt}{dt} - \frac{dt}{dt} \right]^{\frac{1}{2}}$$

$$dt \int_{0}^{\infty} r dt \left[ r \left( 1 - \frac{dt}{dt} \right)^{\frac{1}{2}} \right]$$

The free Laurenian solution, on law-

many and the control of the same

This is a relativistic operators for Maint in energy. This, the filterit energy for a strong being to spaid to the part to traversities the appear of queed of fight. Here, is, to be not made of the lastly, the term, as a collection out energy which have an appear as overest common compact the follow. The total energy of the lastly is the case of the not energy had the exist that the initial content of the lastly of the case of the not energy and the exist that the maintenance of the lastly. As,

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Non-ridentario mar. To administrati susqui

$$\begin{bmatrix} \frac{\mathbf{w}_0}{\sqrt{1-\frac{\mathbf{w}^2}{r^2}}} - \mathbf{w}_0 \end{bmatrix} r^2 \\ = \begin{bmatrix} \left(1-\frac{\mathbf{w}^2}{r^2}\right)^{2/2} - 1 \end{bmatrix} \mathbf{w}_0 r^2$$

In our relativistic cases, a v. v. is no expending the above expression by biscornial fraction

$$\left[\left(*\frac{1}{2}\frac{1}{c^2}, \frac{3}{8}\frac{1}{c^4} * - 1\right)^{n}q^2\right]$$

States in the leave of and higher return colores

$$\frac{1}{2} \frac{t^2}{t^2} \times m_0 t^2 = \frac{1}{2} m_0 t^2$$

which is the name usual expression for Knest energy, Tipo, we can conclude that for one

relativity many is a 4 at the literal energy of  $\sigma^{2}$  . While is cointent insen, the terms

Note on the control of the most of the control of t

### Examples of Share Danage Intercementation.

(6) Pair Production: When a about of every green then or speed by your life? A parket show to an improvement, it disappears and a pair of electric and performanced, by a programmed in.

a lateral plotted - x lebened - c Querred.

This phenomenon is become on one productor, by this process, the energy offs and plantin for particle of zero and most it recovered two rouse in manufactor with some energy relation. This are enough of both enduran took positions in 1.0,0 MeV and fast it when the energy of the phenomenon line is lossed just off. If the phenom has been believed to it. MeV if the energy of the phenomenon is not lossed just off. If the phenomenon has been been also as the production of the phenomenon the production of the phenomenon the production of the production of the phenomenon that the production of the phenomenon of the phenom

#### choral positionant hard recipe

(3) Patr-AsseMatour: Prior an electron and a portion associate each other. Not condition each other and an equivalent agreement energy is probused to the firm of precipitates. This is belon a supply-conductor and a regression of ex-

Note that processes are to according to the Carlesso of conservation of parameters, conservation of thespe test man-energy relation. The process of pair production and pairs constitution take some to other plets of experience papers and no proteon participated portion, and

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$$\begin{aligned} & \frac{\mathbf{M}(\mathbf{r}^{(1)})}{1 - \frac{1}{2^{2}}} + \frac{\mathbf{m}(\mathbf{r}^{(1)})}{1 - \frac{1}{2^{2}}} + \frac{\mathbf{m}(\mathbf{r}^{(1)})}{1 - \frac{1}{2^{2}}} \\ & \frac{\mathbf{m}(\mathbf{r}^{(1)})}{1 - \frac{1}{2^{2}}} + \mathbf{g}^{(1)} \end{aligned}$$

This is Equition is well decree policities between procureme and street

Therefore periodic entering with an artist and a periodic entering with a periodic entering ent

Equation (10.4)) also implies that a positive may large energy part measurement over it to each mass a series  $(a_1,b_2)$  is

45 pt 110 gt

For example, plotted has some most many test possess enemgy and decreasions. Next, portrions already and a possel of high to reasons. Plotters said test than it is the postale in the orangent.

### familia exp

By a loss does a model have at some whole we accidence the let implify the consequent to \$170 of the length access?

#### **Belletine**

$$\lim_{t\to 0} \frac{1 - \log(t, t)^{-1}}{\sqrt{t} - \frac{t^2}{t^2}}$$

$$\frac{1}{t_0} = 0.95 \text{ s. } \sqrt{1 - \frac{t^2}{t^2}}$$

$$\frac{1 - \frac{t^2}{t^2}}{\sqrt{t}} = 0.0375 \text{ s. } (0.0375) \text{ s.}$$

### Expagie es. p.

A rolls and its self- of proper length is, is storage from a reference from convey path, entirely referred to pay that on an edge of the other close the expression duties onlying all the other fin-

### Selection

The solir relations of the relation of the ratio for an observe at maximily impact to the ratio  $(A_1 \otimes A_2 \otimes A_3 \otimes A_4 \otimes A_4$ 

Normal or not recommend to be described in the height of the price on.

Basingle et a 1

a red of leight in it is nowing along to leight with a relocate may fluid out anything that not so is showed for an observer to on the earth. If it was go in the red leads

### Address

THE DATE OF THE SHAPE AS A SHAPE WITH AN ADDRESS OF THE ADDRESS OF

$$\lim_{t\to\infty} \sqrt{1-\frac{(0.5)^2}{2}} = \sqrt{1-0.23} = \sqrt{3}$$

(1) As the element is maring with the and half, i.e., the and it explosure with respect to the distance, the distance will almost in proper length of the

#### Exemple on 6

a real placed in a finance of missioners, in increase which witness with the a differential (of possible or the length and Ol or on reaghs ago with the length. Exhibition the permeasing missional in Amile was Other in the communitation of the real in the missing better at inflamment of the capital CEI.

### Actions

(a) Let 2, be the longite of the end at a element from Fig. one. By longite to be one
of marriage of the colored with relations of longith longitudes a profiled to the longith in

Secretary transfer

$$\frac{\ell_0-0.6\ell_0}{L_0} \approx 100$$

### -

(1) Europeannia of the proper Deepth of the talk stony the discount of territor of a

ar your la

Congressor of the proper length is perpendicular to the dissertion of motion = 1, ats 10" own lo

High the street component, i.e., component along the direction of action. and man has promoved to be frame. Final for the decreation of

$$0.23 L_{\rm pol} 1 - \frac{0.867}{c^2}$$

110753-128

of the particular

This office companies making anchorage become Seal health in the frame of

Farming red acres

If It is the usage that the despit of the endagement make only the distributed reports of the frequent shows

length component perpendicular to a length component parallel to a

stock trust as Then the self makes a graph of part of with traditional columns.

### Trengle or r

A realist of legals car to take all their the project, in that specified, as demonstrate the property placement for broadly to be good?

Scholane.

days the fire

$$\frac{1 - \frac{v^2}{v^2} - \frac{59 \times 99}{100 \times 100}}{\frac{v^2}{v^2} - \frac{1 - 9881}{1000} = \frac{199}{1000}} = \frac{199}{1000} = \frac{3688}{100} \times 3 \times 10^4 \text{ m}.)$$

### Example in 6

4 perfeit with a manapoper below in a proper frough its biconvey with a good of east. Géraliste to fination or insported by an observer in the followation:

#### Schlebert.

Burne Ad, not produce a series of a series devol-

$$\begin{array}{c} \frac{\Delta c_{0}}{\sqrt{1-\frac{c_{0}^{2}}{r_{0}^{2}}}}\\ 2\times10^{+}\\ \sqrt{1-0.81^{2}}\\ \frac{2\times10^{+}}{\sqrt{1-0.81}}\\ \frac{2\times10^{+}}{\sqrt{0.19}}\\ \frac{2\times10^{+}}{\sqrt{0.19}}\\ \frac{2}{0.41}\times10^{-9} \text{ to} \end{array}$$

### Danmale in a

The proper biomics of a transcript at a control of the research transcript to constitute and the property of the beth as and

### Solution

Barn, Sc. + Call Common, St. P. Sales St. - App. 1074

THE REPT WAR

$$\frac{1 - \frac{1}{r^2}}{\left(\frac{1 - \frac{1}{r^2}}{A^2}\right)^2 - \left(\frac{2.5 \times |\mathbf{p}|^4}{2.5 \times |\mathbf{p}|^4}\right)^2 - 10^{\circ} }$$

$$\frac{\left(\frac{4k_s}{A^2}\right)^2 - \left(\frac{2.5 \times |\mathbf{p}|^4}{2.5 \times |\mathbf{p}|^4}\right)^2 - 10^{\circ} }{\left(\frac{r^2}{r^2}\right)^2 - 10^{\circ} }$$

$$\frac{r^2}{r^2} - \frac{r}{r^2} - \frac{r}{r^2$$

#### Exprisple 10.34

A finite of a magnitude that the plants of the fill distance of the contract and produced at a market beingth inthe atmospheric Things presents borned strongly the parts at a special of a page 18 only the of a transmit produced treats the worth, authors the beight or which the horst value cities.

#### Selection.

The property of females from third is present to the draw fact.

No Mar

thought to the fielded presented in New presentation as the beinger tand t make likelyes. How

Timing but at last radio and rangilloss, not per

The best formatted by purification or staffs

$$\frac{9.288 \times 10^{-6}}{\sqrt{1 - 0.98 + 1}} = \frac{9.288 \times 10^{-6}}{\sqrt{1 - 0.98}} = \frac{9.208 \times 10^{-6}}{\sqrt{0.42}}$$

$$8.206 \times 2006 = 0.004$$

Whitelet are which a response in an estimate

#### Economic in an

These are transferences, frames the rath and three it in a rights, about specific a - or mix. hold not that registrate at terms, when the regist takes off 201 Phase New Lyapoli reads on the fire hode or Brown's march thorough a telescope. (3) What Brown's much sends on ye ha Endoor Blow's transfer and a second s

### Selfat been

Eliza, proper tipo terror al 10 to 10 meteors

Threshop the time bowney, by an immediate from the Shapers make in the action could depresent days.

$$\frac{m_0}{\sqrt{1-\frac{1}{2}}} \cdot \frac{1}{\sqrt{1-\frac{1}{2}} \cdot \frac{m_0^2}{m_0^2}} = \frac{1}{\sqrt{1-\frac{1}{2}} \cdot \frac{1}{\sqrt{1-\frac{1}{2}}}} = 0.05$$

Then Marrie which, proper by Barn will read about 25 when his your world reads strong Blast time effection is a entirental plant. Bare's vendy, or own by Depart Strongs the information will also mad an application but now wants made a late.

### Exemple in or

De has not include a same lab debite size the smill the security or for the new or rape. to ander to do that also raises a parency has come appeared to entere missing. What should be the speed with which the should note; billions to the belongers, so that what the resons after to years realization statisticare rest shares will be statistical content. Take any our acres stories.

### Scientism'

The specification for each that the part of or years the the followers the approximation or a stay

POS discovered course make that there is a more with a collector aging major.

#### Extraple 10, 12

Describe to the immensed in relief or no excellent high in the relative select of first

was and order to contribute a compact valuable x = dR.7099 , if the National of the day is light cone.

#### **Authoris**

Time taken to the motion in the possel stay as assumed by a closic on the motion.

The time is an immuned by a door or the orders to the armed trip, which is the present time in

$$3\sqrt{1-4.9979} + 3\sqrt{0.0003} + 0.00 \times 6 + 0.06 \text{ years}$$

That, the time-for the excel edgs promotions on the deal for the resist that for our years.

### Europia (n. 4)

to the good desills the form of the first open party of the contract that the

olarpin

### French to st

A cold match (supp. colorer time in the colline of upth. A pile pays on this match and borne the partit is a prompting which moves at a maximum great of at only. Calculate the number of matching the conduct of the co

#### Autobelien

The size (Settle repression to

If LP is the time limit by the retirements per sky, then the proper time to

$$\begin{split} T &= \frac{T - 4T}{T - \Delta T} \\ &= \frac{T - \Delta T}{\sqrt{1 - \frac{T^2}{2}}} \\ &= \frac{\Delta T}{\sqrt{1 - \frac{T^2}{2}}} \\ &= \frac{T}{\sqrt{1 - \frac{T^2}{2}}} \\ &= T \left[ \frac{1}{\sqrt{1 - \frac{T^2}{2}}} - 1 \right] \approx \Delta T \approx T \left[ 1 - \sqrt{1 - \frac{T^2}{2}} \right] \end{split}$$

E's a demo has him to do co Missioner

$$\begin{aligned} & 80400 \left[1 - \sqrt{\left[1 - \frac{10^2}{9 \times 10^2}\right]^2} \right] \\ & 80400 \left[1 - \sqrt{1 - \frac{1}{900}}\right] \\ & 80400 \left[1 - \left(1 - \frac{1}{900}\right)^{2^2}\right] \end{aligned}$$

Using biasmid thermi and neglicing higher with name on get-

$$88400 \left[1 - \left[1 - \frac{1}{2 \times 900}\right]\right] + \frac{96400}{1800} = 40 \text{ nsc.}$$

### Europie expi

Two particle agreemb such other with a spend ofter with require to the believes by War is their subsets upon it.

#### Belletine:

The problem number of two voluntare — the unit is to almost three both contract and discreption, to that the required relative, we will have to apply the discreme of adultion of relatives. For the solutions of the problem, sourcides a system if to below the parties before voluntary — to be not read for reason compare that the notering if i.e., belowers in anomaly with relative to the resident in the resident in the resident in the resident is the resident in the resident in

$$\frac{\frac{w+r}{1+\frac{w'+r}{r'}} - \frac{8.6c + 0.3c}{1+\frac{(6.6c)(0.5c}{r'})}}{\frac{6.6c}{1.6c} = 0.9794c}$$

The the new to good of the partitions is expen-

### Exemple to p

To a Dyamble, it can I regurant much place of a selection of Lian Phar is from whother should be windowed by a calculate of a calculate of several.

### bistion

The problem is discribed to the problems one.

The relative quart of particles in fresh cases of and if the exercise.

#### Exception at the

A major fewere the martis for a control objected analors a cound major to the manner one collects to a light reservance por a special of the Marc mount compare will be the no-less returns companied to less techniques. In addition of the data of the contract of

#### Bulletine.

Decoupt one executive power legit of terms in

$$450 \times \sqrt{1 - \frac{30.5}{c^2}}$$

Total agreement brought of the record below in

Desir the Same the Starting transition

$$\frac{1}{6 - \left(\frac{0.56}{3}\right)^2} \text{ year } = \frac{6}{0.6} \text{ years } = 10 \text{ year}$$

For the will be precipite than the train in other for 200 - 10 + 4 years, while was at part or the earth.

### Excurple on te-

a median selantia disanya ibahayanaka atau J. mening salama selikisi mili sebesik e yant selik

with a particle & still forest with a whole of a R v propriet of the paper to the man, Calonina. the selected of the anothed plantile selections the expectation

#### Mileson:

Consider the post-like in the temporary? and the potential tribe in the potential of

Read a reliable of the partitle Desiries of Tank Commun. to a reductive of this program I fulfaction to if it is a contraction. of a spinist white particle I whatever I of

$$\frac{28 \times 10^{9} + 2 \times 10^{9}}{(2 \times 10^{9}) \times (2 \times 10^{9})} = \frac{48 \times 10^{9}}{1 + \frac{5.6}{9}}$$

## Demande on on

There that I'm that I thank we have it, would need at woman I, in the french in the con-Di pagnas cristi rationico C. cristi properti in tita formati X

### **National**

Has been  $\mathcal{F}$  is not by relative to  $\Gamma$  in the collection with relative  $\Gamma$ ; we have extent constitutions Lames based on the same.

Printing of a constraint of all a constraint or pair

$$\left(\frac{\cos \theta + F}{1 + \frac{F \cos \theta}{\sigma}}\right)^2 + \frac{4e^{\beta} \sin^2 \theta \left(1 - \frac{FT}{\sigma^2}\right)^2}{\left(1 + \frac{F \cos \theta}{\sigma}\right)^2}$$

$$\frac{1}{\left\{ p_{1},p^{2}\right\} \cos k} \frac{1}{p^{2}} \left( \cos^{2}k+\frac{1}{2} \cos^{2}k+\frac{1}{2} \cos^{2}k+\frac{1}{2} \cos^{2}k+\frac{1}{2} \cos^{2}k \right)$$

$$\frac{\left(1 + \frac{\Gamma \cos \theta}{c}\right)^{\frac{1}{2}} k^{2} + 3i\Gamma \cos \theta + \Gamma^{2}(1 - a)}{\left(1 + \frac{\Gamma \cos \theta}{c}\right)^{\frac{1}{2}} k^{2} + 3i\Gamma \cos \theta + \Gamma^{2}(\cos \theta)}$$

$$\frac{c!}{\left(1 + \frac{\Gamma \cos \theta}{c}\right)^{\frac{1}{2}} \left(1 + \frac{2\Gamma \cos \theta}{c} + \frac{\Gamma^{2} \cos \theta}{c^{2}}\right)^{\frac{1}{2}} + c^{2}}$$

$$\frac{c!}{\left(1 + \frac{\Gamma \cos \theta}{c}\right)^{\frac{1}{2}} \left(1 + \frac{2\Gamma \cos \theta}{c}\right)^{\frac{1}{2}} + c^{2}}$$

### Discount to as

The relate of countrie legals at a photosistical from electronic dispersion with relate a deskep for early place to a release from it is not. Whe is the raisety of the parties in the basid?

### Beleiter

The relation is of the possible in the contag flower to gloss for all a gift (4 + side on their side of inciat a graph and at it in man. The educity of the brack of relation to S is to be Lat. 1 it odds using Located transfer tention, trafficial

$$\begin{split} \frac{n_{i}^{2}+n_{i}^{2}}{1+\frac{n_{i}^{2}}{i^{2}}} & \frac{1+0.9c}{1+\frac{3+0.9}{i^{2}}} & \frac{1+0.8\times3\times10^{4}}{1+\frac{3\times0.9}{3\times10^{4}}} \\ & \frac{3+1.4\times10^{4}}{10^{7}+0.9}\times10^{6} = 1.4\times10^{6}\,\mathrm{m}/\mathrm{s} \end{split}$$

34.75

$$\frac{\alpha_{2}\sqrt{1-\frac{p^{2}}{p^{2}}}}{1+\frac{p^{2}}{p^{2}}} = \frac{\sqrt{1-\left(\frac{Q_{2}p^{2}}{p^{2}}\right)^{2}}}{1+\frac{Q_{2}p^{2}}{p^{2}}} = \frac{4\sqrt{1-Q_{2}p^{2}}}{1+\frac{Q_{2}p^{2}}{p^{2}}} = \frac{12\sqrt{1-\left(\frac{Q_{2}p^{2}}{p^{2}}\right)^{2}}}{1+\frac{Q_{2}p^{2}}{p^{2}}} = 2.2$$

The characteristic of department from the excitation of a figure 1 and 1

### Exemple in ex-

The relief to the law instituted in such other at an august 1977. Find their nestigate time.

### Sufferior.

Tangater uses all the minimizer of Cults to be sincep the views and the other instituted to it as an angle of (A). This is experiented to evolutionary insure? It another princep is not with a vigilation of a life indepice and particle in a national release of basis possibility in ordering only as otherwise all, is uncleased in it, at its major of pril. These for minimizer ordering of the possibility as approximing to an electron in these it may be determined in:

Tubate of Huma II, relates to II, slong the V min. or order

Turbality of the benefits of an angle soft with a least to the subscript of a so-

Reaching a print of reduced by prin-

respectate along the sale, al.

$$a^*con30^* = 0.3c\cos 30^* = 0.3c \times \frac{\sqrt{3}}{2} = 0.67$$

servered along a wife

$$w' = 0.30\% = 0.00 = 0.30\% = 0.50\% \approx \frac{1}{2} = 0.00$$

fing larger bushmator, to visus of the suspenses, as seared to be as I so give

$$\frac{\nu_{s}' + \epsilon}{1 + \frac{\nu_{s}'''}{2}} = \frac{0.4\sqrt{s} + 0.8}{1 + 0.4\sqrt{s}(2.8)} = \frac{(0.4\sqrt{5} + 0.8)}{1 + 0.4\sqrt{5}(2.8)} = \frac{1.04\sqrt{5}(2.8)}{1 + 0.4\sqrt{5}(2.8)}$$

$$\frac{(0.4\sqrt{3r} + 0.0)}{1 + 0.2\sqrt{2}} = \frac{1.452r}{1.534} = 0.00r$$

$$\frac{g_{\gamma}\sqrt{1 - \frac{g_{\gamma}^{2}}{r^{2}}} - 0.0r\sqrt{1 - \left(\frac{0.3r}{r}\right)^{2}}}{1 + \frac{g_{\gamma}^{2}}{r^{2}}} - 0.0r\sqrt{1 - \left(\frac{0.3r}{r}\right)^{2}} = \frac{0.4r\sqrt{1 - 0.0}}{1 + 0.32\sqrt{3}}$$

$$\frac{0.4r\sqrt{1 - 0.0}}{1 + 0.0} = 0.13r$$

Berthart starts a property for

$$\sqrt{a_{i}^{2} + a_{i}^{2}}$$
 $\sqrt{a_{i}^{2} + a_{i}^{2}} = \sqrt{0.9442}c = 0.97$ 

The engin of this continue value is regarded that a solu-

$$\tan^{-1}\left(\frac{N_{1}}{N_{1}}\right) = \tan^{-1}\frac{Q_{1}(2)}{Q_{1}(2)} = \tan^{-1}\theta_{1}(90) = 8^{\circ}(1)$$

### Frederick in eg.

And the report of the same of report happy should be expected in the new result.

# Belgiton.

$$\frac{\sqrt{1-\frac{1}{2}}}{\sqrt{1-\frac{1}{2}}}$$

$$\frac{\sqrt{1-\frac{1}{2}}}{\sqrt{1-\frac{1}{2}}}$$

$$1-\frac{1}{2}\left(\frac{2\pi}{1-\frac{1}{2}}\right)^2 - \left(\frac{1}{2}\right)^2 - \left(\frac{1}{2}\right)^2 = 0$$

$$\sum_{n=1}^{\frac{n^2}{2}} \frac{1-\frac{1}{4}-\frac{1}{4}}{4}$$

$$386 \times 3 \times 10^6 \text{ m/s} = 2.586 \times 10^6 \text{ m/s} = 1$$

### Ennighted to be

is more height for kig on the worth. When the in its a review objects Kight, the state is thinking an interest of the costs, What techniques of the review?

### Perfectives:

To the 
$$g$$
 is taken in  $m = \frac{m_{\phi}}{\sqrt{1 - \frac{m_{\phi}^2}{\sigma^2}}}$  and  $\frac{m_{\phi}}{\sqrt{1 - \frac{m_{\phi}^2}{\sigma^2}}}$  and  $\frac{m_{\phi}}{\sqrt{1 - \frac{m_{\phi}^2}{\sigma^2}}}$  and  $\frac{m_{\phi}}{\sqrt{1 - \frac{m_{\phi}^2}{\sigma^2}}} = \frac{1}{\sqrt{1 - \frac{m_{\phi}^2}{\sigma^2}}}} = \frac{1}$ 

### Exemple on an

- (a) Tabulan dia ser-many of an observa (a.e. pany e. or "Ng and g. e. e. e. e. observa en "Conjudas and discovery total.
- (b) As alterna to unferrind through (I) a propertial of ne ET to a TV please rolls and (I) in high voltage 3 vs. mobilises through a potential of a ET. Calculate the round of districts in each case.

### **Automics**

Self-February and managers are

Now, a married to the first to the series

16V: =1401×10-11 1401×10-11 1401×10-11-140

 $\frac{1}{\sqrt{1-\frac{v^2}{v^2}}}$  Our Parallella is a released

√1-10/33<sup>3</sup>

The trial energy of the assistant shows in the same of its part energy nor and the bloods energy of patrol from the least face of 0 to the short field, i.e.,

\$ identification of

Drinking Hannaghamorks over one got

dV

(1) An electron condensed through principal of an IV gates as assumed all surger or Sally Plans Social advances.

$$1 + \frac{20.0 \text{ keV}}{0.201 \text{ MeV}} = 1 + \frac{20.0 \times 10^7 \text{ eV}}{0.201 \times 10^7 \text{ eV}}$$

0.000

$$\sqrt{h - \left(\frac{1}{1.039}\right)^2}$$

- Contract of Contra
- 10 (0.00 10 to 0.00) 00 (0.00 - 7.14) MY + 5.1 (0.00)

$$\begin{array}{c} \frac{dV}{dm^2} = \frac{5 \times 10^6 \ eV}{0.311 \times 10^6 \ eV},_{(4/3)} \\ \frac{100 \left( y + 1 + 0.06 + 0.06 \right)}{100 \left( y + 1 + 0.06 + 0.06 \right)},_{(4/3)} \\ \sqrt{1 - \left( \frac{1}{100 \cdot 10^4} \right)^2},_{(4/3)} \end{array}$$

#### Teamore ex etc.

Two persons levels of mater  $g \in H(0, M)$  , h(g) and instally questing with request provide in ignorate directions. They stable and constant in what and produces a wronted gloss  $h(g) \in H(g) \cap H(g)$ . It has persons and the prime are of two above the problems, that the initial upward of the persons are initially for enterprise assumed in the persons.

### **Make**

The energy is conserved, total energy of two persons believe the collision is usual to the rest energy of the two persons and the pro-of-the flar sellation. These

Stricking throughout his table (swept)

$$1 + \frac{w}{2M} = 1 + \frac{2.46 \times 10^{-20} \text{ kg}}{2 \times 1.67 \times 10^{-20} \text{ kg}}$$

$$\int_{\mathbb{R}^{n-1}} \int_{\mathbb{R}^{n}} \left( \frac{1}{\lambda} \right)^{n} dx = \left( \frac{1}{\lambda} \right)^{n}$$

Chapter and of sold a self-cost sold.

#### Desirable Made

It hads at not publish supposes into the Diagrams and of team and Education that come upon to product that contains to the original hads. What was the team of the hads it not?

#### Sababas

The new pronger of this critique bands must be supply to the critical examples of the critical programm. Then

$$\frac{E_{c}}{e^{2}} = \frac{2 \times 1}{\sqrt{1 - (0.0)^{2}}}$$

### Escaph (n.)4 6'th un rebin Schriss

If the cost methodocomology of the last of g = last the find the mass or of sold its second to be executed

Here, 
$$r = q + mr \cdot 2r$$
,  $r = q + mr \cdot mr$   
• Emercial description (A) =  $\frac{E}{c^2} = \frac{4 \times 10^{10} \text{ M}^{-2}}{9 \times 10^{10} \text{ M}^{-2}}$   
•  $r = \frac{2}{3} \times 10^{10} \text{ M}^{-2}$   
•  $r = \frac{2}{3} \times 10^{10} \text{ M}^{-2}$ 

### Exemple 18.24

The binding energy of an electronic agreement, in bindings a map (a part of Flad the bas of some in the formation of one store of Sarkingers.

### Soleton

time a right of a galaxy to serve

Filing Elements man energy relation a court; the base of many in the derivation of a hydrogen many in

$$\begin{array}{c} \frac{E}{e^{2}} \\ = \frac{13.6 \times 1.6 \times 10^{-11}}{1 \times 10^{2} \times 3 \times 10^{2}} = 2.42 \times 10^{-11} \end{array}$$

### Europh or pr

When is the speed of an abelien thereta bloom energy over MAXT.

### Soletion

Charte energy assessment with a particle of many a located 10 kg in the internance in the sections of the financial particles of them.

K.E. acquired by the electron  

$$h = \frac{e^{2}}{2}$$
  
 $h = 10^{2} \times 10^{2} \times 10^{2}$   
 $= 10^{2} \times 3 \times 10^{2}$   
 $= 10^{2} \times 3 \times 10^{2}$   
 $= 10^{2} \times 3 \times 10^{2}$ 

blue of the electron-in acquiring the find velocity is

Time by Minter

$$1 - \left(\frac{m}{s}\right)^{2} = 1 - \left(\frac{9.11 \times 10^{-8}}{27 \times 10^{-10}}\right) = 0.882$$

$$0.002$$

A SST - B 942 x 5 x 18 - 2 ht x 18 m/s This despet of the dates to discountry.

### Transple state

$$P\left(-\frac{1}{\epsilon}\right)$$

promposing when the needs had made to be Motion:

### Decision of a power

for many a restriction of

$$\frac{A_1}{\sqrt{1-\frac{v^2}{r^2}}} = \frac{(.67 - 10^{-27})}{\sqrt{1-(0.800)^2}} \lambda$$

Abbeitson

$$m\tau^2 = \frac{1.67 \times 10^{-27}}{\sqrt{1-(0.393)^2}} \times (3\times 10^6)$$

Philips of a pro- part

$$\frac{3 \times 10^{9}}{\sqrt{5.2279 \times (00^{-14})}} = \frac{1.49}{3} \times 10^{-11} \text{ kg/m} \cdot 1$$

CARL BUILDING

### Freezesta con year

Led Biotheries des generales products has beginning a bis in an Checks. 151 Calmanian chalaterina regentari di sal elemente territorio II - 1140-

### Selection.

Col Rest Insert of a photos in case. This edited, the processor is

O'Distriction - 202 string - process

$$C = a_0 C = \frac{1}{\sqrt{1 - \frac{1}{C}}}$$

the distance, i was a series.

magical control Object patterned.

 $4.98 \times 10^{-1}$ 

### Exemple response

A present toy glocom of frequency is control by a market of man at these day the last of

$$\left(1 + \frac{p \gamma_0}{2m r^2}\right)_{\text{matrix}}$$

### Substitute

The energy of the phones, a c for

- Houseon impaint to the pioner

is Trippi kelougy look for the institute or

$$\frac{4i_0 + \frac{1}{2} =}{4i_0 + \frac{4\pi i}{2}}$$

Files to it the base of humanisms of the motion, agend in magnitude to the past is increasing a of the photon.

s. Trind educy has be-

$$\delta v_h + \frac{p^2}{2m} = \delta v_h + \frac{10 c_h^2}{2m^2} = h v_0 \left(1 + \frac{\delta v_0}{2m^2}\right)$$

### Description on the

Fine that the incomment of a particle of test case up and from easily \$ was in exposure in:

Solution

Hylines.

Simple with people

a + bell marg) + black steels Secret.

Danking the observes equipminarily 1, we per

Parenting Selfs of Res. Househ

$$\frac{K_{i}^{2}}{\sqrt{\frac{K_{i}^{2}}{k^{2}}}} + 2m_{i}K_{i}^{2}$$
 $\frac{K_{i}^{2}}{\sqrt{\frac{K_{i}^{2}}{k^{2}}}} + 2m_{i}K_{i}^{2}$ 

#### Excessed

### Should American Topic

a. Stales the terror (1) France of Stalescore and (1) Stalescore and Streetser. Quantity:

g. Differentiate formers Search and Day tracked Search of whomas,

to be seen to be presented through NASA-& Oberts Gelliers Statementons by general-time

g. Piles to an it command that the space is diffind that become incommendate?

9, Will what alterate to mind, he Michigan Model represent our brigant and reclaimed there in continues

5. Date the continue of the leaving Doct of Britanian

8. With Science Transferrance regarding and toward Layers Transferrance. 440 Krons

g. Herr tipe for a real of Lamon Talestoneira subset to fidilizar. Franchesterior.

se Man's Lower Proposition was not Thin propolings.

- 24. Wher do not assess for Time (Watton? Duffor proper time.
- sa. What is entire paradist?
- ay, is because of a body constant. Explore-
- 14. What do you have for more enough represent to before.
- pp. What is the cost most of a phone

### Lamp Source Type:

- A. What the way waste for my moving beauty of estimated. Show that production tead from the target policy before Description from
- \$1. Short that a fluore of extreme intering a sufficient translation profits resistor to as in with bistory trades barthd.
- 3. Via Gollan Taumendary to duri the do distinct become for terpositive to the action in the traction Entires-
- p. Darper Militaire Stelle reporture and registe the applicates of the rigid desired
- p. How and analyze the promition of the special throw of policy to and device Louise translations and because Louise transferration.
- 4. Plact in proper bough? Don't Corest: Plage all contraction white:
- Believed agreement for time Abstracting Lower based on Arthur Closus ensingle-friening approximately will be the filter all their different
- At Show using addition of velocities that the relately of Sight in an alastical countries, belognosters of the fitness of printers and it is the maximum records personal in marries.
- is filery that the street attributes to the field of telephon, nill not be single-manage in a miles framing one log of the autitors relative pulsation of it.



ms. Darbon view many of a leady and shore-

- officers that or extends have that your manage. Nament profession the various of man role reducto:
- ps. Charles has processed for religible to the commentate and kings.
- 43. Charles the relations a new goal resolution in significance.
- its. Prove the relation or a prove protection a to the relativistic immunities.

#### Vannerstale

- g. There we very measure 2 and 27 most time by his restortion (at V at + MC) and I yatherine to J. Thiles origins of the two contents sales the bolishly and care discovery. per rotal alter it a per (a, b, d) motor adabatic in F. Rad (in providings) of the paint plants to E.
- Obsert hat his highly
- At A particle has reducity by a file All tack patients to a sect meeting with reducts book a page to a substraction of character on the present. Obtains the

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y. Calculate des experient triuge dant us des Élabetane élabor experience à l'ineffects begit of sub-pair by target, relater of the costs 5 - per pol and the constant of horozophopusts light and is given in

March 1012 Edward radius

a The Importantial speed of the earth through the other, is involved speed of a e on more. If the fall relation to a re- said to transformated the Michaelm-Rentice expension to the director, pandle to the station, beer long will it take to meral Sough I to the Election perpendicular to the metric."

g. The interval X, between the introvents is defined by the interior \$ 1, 4 or \$ 25.

a proper principles of the state of the stat has the came called to all institut bosons, Brough, Brownes and time may been different reduce.

6. Two events have the tanger time recording to 0, 0, 0, 0 and 120 0, 0, 0 in a ... green brane 2. (i) Mich is the fine-towned become factor, 50, White the reductional at beautiful to take the total section and about the second of the second section and the second secon lies even never revenues and sentire time the second.

Then 60 educate 60 tot screen the wall.

T. Rosalini oblig to not no began so the account. More to be to Plain, by health is not to a service or to prove. Who is in greet.

Ann. a.M. Indianal

4. A self-to-length service. When the red is in consulter waving within relative SAT the reliefer of Egle; substry to falvenesse, wherein the height of the red to discretified to the descript (ii) is the another, (ii) in the lower new

Mars, half provious \$50,000 and 1

to An execute preside has the mean proper literate of 2 nm. What will be inbledges, when it is inwesting with a speed of this. (Away state to a

so. Valories the pursuings southering is the leight of a lot moving will a apard of a first on director, or sought the official serving for

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- \$4. A previous particle line a literature a visco sea 100 What is the mean librium. than the particle is terrolling with a speak of triping it not very last (A) that he those is no therefore you make the? And Other Address on the contribution of the contr substitute allows
- \$5. A bean of particles of half-life \$30 that was bounds in the languages with speed \$1,00 times for speed of light. How securi distance does the beaut securi between the formally to had the birth flow.
- DAMES OF REAL PROPERTY.
- 43. The street of a covering discrete in at figure its over team. Find he kinetic

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Chan Raph to the startle on the section

Ap. Compare the good of the electric or which in most becomes a base to

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2. In the Intersect, the two particles are observed to travel in appears direction will appeal 1.8 - or also find the white appeal of particles.

(Ass. 1494 ) (10 m/s)

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Dan. Sapratr has eather

27. If the blocks sample of a publish is risks by out your sweep. Built in relatio.

Chan 6 62x1

gli. Find the valuety that an above, more in given as that its reconstruct in the stage to not make twent the speed of light. What is the energy or this quantity. [Aur., 2015; 1:17] on h. h. et a. or 1.27.

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22. The beingth of the color of a square, an insecured its no observed that distributes from all policions is, is it. What will be the agreement peace or observed by this local scale when from T spring pointing to 27 cm; rejects 1 duing one of the color of the square.

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Disease and comment

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## Index

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1 terminal and the PERSONAL PROPERTY. STATE OF THE PARTY. . Section Assess MATERIAL PLANS Market State Trumbe 220 Def See \_ SHIP GLASS Name and Address of hard transfer printer and all \_ make a larger the same of the last terbes. the Real Property lies \_ -Name of comment or business ALC: UNKNOWN Control of the Contro \_ \_ Table 1997 -.... Distance of the last -\_ \_

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