

Access Free Sd Control Of Three Phase Ac Induction Motor Using Svm Sd Control Of Three Phase Ac Induction Motor Using Svm

Eventually, you will totally discover a other experience and deed by spending more cash.

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Motor Using Simulink
nevertheless when? complete you
acknowledge that you require to
get those every needs next
having significantly cash? Why
don't you try to get something
basic in the beginning? That's
something that will lead you to
comprehend even more just

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about the globe, experience,
some places, bearing in mind
history, amusement, and a lot
more?

It is your unquestionably own
epoch to produce a result
reviewing habit. accompanied by

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Motor Using Svm
guides you could enjoy now is sd
control of three phase ac
induction motor using svm below.

Sd Control Of Three Phase
California Attorney General Rob
Bonta met with San Diego officials
Tuesday regarding the city's gun

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violence restraining order
program, which Bonta described
as an effective, preventive tool he
would ...

Attorney General meets with SD
officials regarding city gun
violence program

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Gateview Technologies, an industry-changing creator of advanced power distribution solutions for mission-critical applications, announces its support of 240/415VAC 3-Phase WYE rack configurations with ...

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New PowerLok® 8700-8800

Series PDUs Support 240/415VAC

3-Phase Power Distribution Needs

A group of Illinois superintendents have launched a campaign asking for their peer administrators and school boards to call on state agencies to either provide them

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immediate guidance to open
schools ...

Without state guidance, IL
superintendents want control to
plan new school year
Type I interferons initiate the
changes in gene expression that

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are critical for fighting viral infections. However, restraining the type I interferon response is equally important for avoiding ...

ETV7 limits antiviral gene expression and control of influenza viruses

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Up to eight battery modules from the Chinese manufacturer can be combined to form a storage system with a capacity of up to 25.6 kWh. According to Sungrow, it is not necessary to wire the battery ...

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Sungrow brings its three-phase residential storage solutions to Europe

In phase 1 studies ... was 9.7% (3 of 31 evaluable patients) with one patient with an unconfirmed partial response (PR). 11 had (35.5%) stable disease (SD), for a

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Motor Using Csm
disease control rate (CR ...

Oncternal: Solid Data In 2
Cancers With High Unmet Need
Asfaw Abera fled his homeland in
northwestern Ethiopia three
decades ago, stealing away on
foot into Sudan as soldiers and

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ethnic Tigrayan rebels exchanged
fire nearby. During his long
stretch in ...

'Survival Struggle': Ethnic
Standoff Drives New Phase of
Tigray War

Three houses are damaged after

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Motor Using Syn
a fire in Clarksville early
Wednesday morning after what
started as a call about a woman
threatening suicide.

3 homes damaged in Clarksville
fire after crews initially respond to
suicide call

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SOUTH DAKOTA — South

Dakotans battling addiction to opioids are increasingly relying on medication-assisted treatments to overcome their cravings for the dangerous drugs and to avoid potentially ...

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Successful opioid addiction
treatment slow to catch on in SD
The funds, approved by Senate
Bill 186, will provide for building
improvements and other
operating support for the city's
triage and addiction center.

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Sioux Falls City Council advances initial funds from \$3 million set to improve The Link

The company presented data from the phase 2 trial of the lead ... associated with Zytiga resistance, 3 achieved disease control at 12 weeks, 4 had SD at

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12 weeks and 3 had durable SD
(>7 months).

Cardiff Oncology: Current Slump
Doesn't Look Right

The disease control rate (DCR)
was 66.7% (N=10) with best
responses of complete response

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(CR) 6.7% (N=1), partial response
(PR) 6.7% (N=1) and stable
disease (SD) 53.3% (N=8).
Previously reported ...

Compugen Announces Updated
Data from Phase 1 Study of
COM701, First- in-Class Anti-

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PVRIG, at the ASCO 2021 Annual Meeting

A sample from each dose actually administered was assayed by gas chromatography/mass spectrometry (GC/MS) to evaluate concentration, stability, and quality control. The STS (IND

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#42,302

A Phase 1 Trial of Pharmacologic Interactions between Transdermal Selegiline and a 4-hour Cocaine Infusion

Dimensions (body): 128.9 x 96.9 x 80.8 mm / Weight: 737g

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0.64-inch electronic viewfinder
(EVF), 9.4m-dot resolution 3-inch
tilt-angle touchscreen LCD, 1.4m-
dot resolution Dual SD card slots

...

Sony A1 review: One camera to
rule them all

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This is a Phase 1 ... (p.A354V). 3 patients had a best overall response of stable disease (SD). The objective response rate (ORR) was 16.7% (95%CI: 2-48%) and disease control rate was 41.7% ...

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Innovent Releases Phase 1

Results of Pemigatinib in Chinese
Patients with Advanced Solid
Tumors at ASCO Annual Meeting
2021

As part of the server 3.1 release,
CircleCI joins the AWS EKS
Partner listing ... Private IP for

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load balancer. This makes
CircleCI private, for those
choosing to control access
through another tool ...

The book deals with the problem
area of the vector control of the

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three-phase AC machines like
that one of the induction motor
with squirrel-cage rotor (IMSR),
the permanentmagnet excited
synchronous motor (PMSM) and
that one of the doubly fed
induction machine (DFIM) from
the view of the practical

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development. It is primarily about the use of the IMSR as well as the PMSM in the electrical drive systems, at which the method of the field-oriented control has been successful in the practice, and about the use of the grid voltage oriented controlled DFIM

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in the wind power plants. After a summary of the basic structure of a field-oriented controlled three-phase AC drive, the main points of the design and of the application are explained. The detailed description of the design rules forms the main emphasis of

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the book. The description is expanded and made understandable by numerous formulae, pictures and diagrams. Using the basic equations, first the continuous and then the discrete machine models of the IMSR as well as of the PMSM are

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Motor Using Svm derived. The vectorial two-dimensional current controllers, which are designed with help of the discrete models, are treated in detail in connection with other essential problems like system boundary condition and control variable limitation. Several

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alternative controller

configurations are introduced.

The voltage vector modulation,
the field orientation and the
coordinate transformations are
treated also from the view of the
practical handling. The problems
like the parameter identification,

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parameter adaptation and the management of machine states, which are normally regarded as abstract, are so represented that the book reader does not receive only attempts but also comprehensible solutions for his system. The practical style in the

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description of the design rules of the drive systems are also continued consistently for the wind power systems using the DFIM. The represented control concept is proven practically and can be regarded as pioneering for new developments. The

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introduced control structures of the three machine types have led to a relatively mature stage of development in the practice. Some disadvantages have nevertheless remained at these linear control concepts, which have to be cleared only with

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nonlinear controllers. Going out from the structural nonlinearity of the machines, the suitable nonlinear models are derived. After that, nonlinear controllers are designed on the basis of the method of the "exact linearization" which proves to be

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the most suitable in comparison with other methods like "backstepping-based or passivity-based designs".

The ever-growing shortage of energy resources continues to make the development of

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renewable energy sources,
energy-saving techniques, and
power supply quality an
increasingly critical issue. To
meet the need to develop
renewable and energy-saving
power sources, green energy
source systems require large

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numbers of converters. New converters, such as the Vienna rectifier and z-source inverters, are designed to improve the power factor and increase power efficiency. Power Electronics: Advanced Conversion Technologies gives those working

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In power electronics useful and concise information regarding advanced converters. Offering methods for determining accurate solutions in the design of converters for industrial applications, this book details more than 200 topologies

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Motor Using Gvni concerning advanced converters that the authors themselves have developed. The text analyzes new converter circuits that have not been widely examined, and it covers the rapid advances in the field, presenting ways to solve and correct the historical

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problems associated with them. The technology of DC/DC conversion is making rapid progress. It is estimated that more than 600 topologies of DC/DC converters exist, and new ones are being created every year. The authors completed the

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mammoth task of systematically sorting and categorizing the DC/DC converters into six groups and have made major contributions to voltage-lift and super-lift techniques. Detailing the authors' work, this book investigates topics including

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traditional AC/DC diode rectifiers
controlled AC/DC rectifiers power
factor correction unity power
factor techniques pulse-width-
modulated DC/AC inverters
multilevel DC/AC inverters
traditional and improved AC/AC
converters converters used in

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renewable energy source systems

With many examples and homework problems to help the reader thoroughly understand design and application of power electronics, this volume can be used both as a textbook for university students studying

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Motor Using Csm
power electronics and a reference book for practicing engineers.

Energy conversion techniques are key in power electronics and even more so in renewable energy source systems, which require a large number of converters.

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Renewable Energy Systems:

Advanced Conversion

Technologies and Applications

describes advanced conversion technologies and provides design examples of converters and inverters for renewable energy systems—including wind turbine

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Motor Using Solar Panel Energy systems.
Learn Cutting-Edge Techniques
for Converters and Inverters
Setting the scene, the book
begins with a review of the basics
of astronomy and Earth physics. It
then systematically introduces
more than 200 topologies of

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advanced converters originally developed by the authors, including 150 updated circuits on modern conversion technologies. It also discusses recently published topologies and thoroughly analyzes new converter circuits. Novel

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approaches include split-capacitor and split-inductor techniques that can be applied in super-lift and other converters. Resolve Historic Problems in Conversion Technologies Along with offering many cutting-edge techniques, the authors resolve some historic

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problems, such as the accurate determination of the conduction angle of single-phase rectifiers and power factor correction. They also describe a new series—laddered multilevel inverters—that uses few devices to produce more levels,

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overcoming the drawbacks of the pulse-width-modulation (PWM) inverter and providing great scope for industrial applications. Tap the Knowledge of Pioneers in the Field This book is written by pioneers in advanced conversion technology who have created a

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large number of converters,
including the world-renowned
DC/DC Luo-converters and super-
lift Luo-converters. Featuring
numerous examples and
diagrams, it guides readers in
designing advanced converters
for use in renewable energy

Access Free Sd Control Of Three Phase Ac Induction Motor Using Svm systems.

AC voltage frequency changes is
one of the most important

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functions of solid state power converters. The most desirable features in frequency converters are the ability to generate load voltages with arbitrary amplitude and frequency, sinusoidal currents and voltages waveforms; the possibility of providing unity

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power factor for any load; and, finally, a simple and compact power circuit. Over the past decades, a number of different frequency converter topologies have appeared in the literature, but only the converters with either a voltage or current DC link

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are commonly used in industrial applications. Improvements in power semiconductor switches over recent years have resulted in the development of many structures of AC-AC converters without DC electric energy storage. Such converters are an

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Motor Using Own alternative solution for frequently recommended systems with DC energy storage and are characterized by a lower price, smaller size and longer lifetime. Most of the these topologies are based on the structure of the matrix converter. Three-Phase AC-

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AC Power Converters Based On
Matrix Converter Topology: Matrix-
reactance frequency converters
concept presents a review of
power frequency converters, with
special attention paid to
converters without DC energy
storage. Particular attention is

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paid to nine new converters
named matrix-reactance
frequency converters which have
been developed by the author
and the team of researchers from
Institute of Electrical Engineering
at the University of Zielona Góra.
The topologies of the presented

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matrix-reactance frequency converters are based on a three-phase unipolar buck-boost matrix-reactance chopper with source or load switches arranged as in a matrix converter. This kind of approach makes it possible to obtain an output voltage greater

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than the input one (similar to that in a matrix-reactance chopper) and a frequency conversion (similar to that in a matrix converter). Written for researchers and Ph.D. students working in the field of power electronics converters and drive

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systems, Three-Phase AC-AC
Power Converters Based On
Matrix Converter Topology: Matrix-
reactance frequency converters
concept will also be valuable to
power electronics converter
designers and users; R&D
centers; and readers needing

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industry solutions in variable speed drive systems, such as automation and aviation.

This thesis proposes new power converter topologies suitable for aircraft systems. It also proposes both AC-DC and DC-DC types of

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converters for different electrical loads to improve the performance these systems. To increase fuel efficiency and reduce environmental impacts, less efficient non-electrical aircraft systems are being replaced by electrical systems. However,

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more electrical systems requires more electrical power to be generated in the aircraft. The increased consumption of electrical power in both civil and military aircrafts has necessitated the use of more efficient electrical power conversion technologies.

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This book presents a comprehensive mathematical analysis and the design and digital simulation of the power converters. Subsequently it discusses the construction of the hardware prototypes of each converter and the experimental

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tests carried out to verify the benefits of the proposed solutions in comparison to the existing solutions.

A timely introduction to current research on PID and predictive control by one of the leading

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authors on the subject PID and Predictive Control of Electric Drives and Power Supplies using MATLAB/Simulink examines the classical control system strategies, such as PID control, feed-forward control and cascade control, which are widely used in

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current practice. The authors share their experiences in actual design and implementation of the control systems on laboratory test-beds, taking the reader from the fundamentals through to more sophisticated design and analysis. The book contains sections on

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closed-loop performance analysis in both frequency domain and time domain, presented to help the designer in selection of controller parameters and validation of the control system. Continuous-time model predictive control systems are designed for

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the drives and power supplies, and operational constraints are imposed in the design. Discrete-time model predictive control systems are designed based on the discretization of the physical models, which will appeal to readers who are more familiar

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with sampled-data control
system. Soft sensors and
observers will be discussed for
low cost implementation.

Resonant control of the electric
drives and power supply will be
discussed to deal with the
problems of bias in sensors and

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unbalanced three phase AC currents. Brings together both classical control systems and predictive control systems in a logical style from introductory through to advanced levels
Demonstrates how simulation and experimental results are used to

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support theoretical analysis and
the proposed design algorithms
MATLAB and Simulink tutorials
are given in each chapter to show
the readers how to take the
theory to applications. Includes
MATLAB and Simulink software
using xPC Target for teaching

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purposes. A companion website is available. Researchers and industrial engineers; and graduate students on electrical engineering courses will find this a valuable resource.

Companies are constantly faced

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with the need to grow and advance in order to compete with other corporations. The implementation of computer innovations allows for smoother transitions to adaptive changes through the use and understanding of analytical tools.

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Modeling and Simulation

Techniques for Improved Business Processes is a critical scholarly resource that examines the systems currently implemented in companies and how they can be upgraded and advanced through various computer design

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methods. Featuring coverage of a broad range of topics including scenario planning, casual modeling, and system dynamics, this publication is targeted toward researchers, professionals, and engineers searching for current research on corporate innovations

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created through computer design
methods.

The book presents recent
advances in the theory of neural
control for discrete-time nonlinear
systems with multiple inputs and
multiple outputs. The simulation

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results that appear in each chapter include rigorous mathematical analyses, based on the Lyapunov approach, to establish its properties. The book contains two sections: the first focuses on the analyses of control techniques; the second is

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dedicated to illustrating results of real-time applications. It also provides solutions for the output trajectory tracking problem of unknown nonlinear systems based on sliding modes and inverse optimal control scheme. "This book on Discrete-time

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Recurrent Neural Control is unique in the literature, with new knowledge and information about the new technique of recurrent neural control especially for discrete-time systems. The book is well organized and clearly presented. It will be welcome by a

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wide range of researchers in science and engineering, especially graduate students and junior researchers who want to learn the new notion of recurrent neural control. I believe it will have a good market. It is an excellent book after all." —

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Guanrong Chen, City University of
Hong Kong "This book includes
very relevant topics, about neural
control. In these days, Artificial
Neural Networks have been
recovering their relevance and
well-established importance, this
due to its great capacity to

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process big amounts of data.

Artificial Neural Networks

development always is related to
technological advancements;

therefore, it is not a surprise that
now we are being witnesses of
this new era in Artificial Neural
Networks, however most of the

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developments in this research area only focuses on applicability of the proposed schemes.

However, Edgar N. Sanchez author of this book does not lose focus and include both important applications as well as a deep theoretical analysis of Artificial

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Neural Networks to control
discrete-time nonlinear systems.
It is important to remark that
first, the considered Artificial
Neural Networks are development
in discrete-time this simplify its
implementation in real-time;
secondly, the proposed

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Motor Using Svr applications ranging from modelling of unknown discrete-time on linear systems to control electrical machines with an emphasize to renewable energy systems. However, its applications are not limited to these kind of systems, due to

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their theoretical foundation it can be applicable to a large class of nonlinear systems. All of these is supported by the solid research done by the author." — Alma Y. Alanis, University of Guadalajara, Mexico "This book discusses in detail; how neural networks can

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be used for optimal as well as robust control design. Design of neural network controllers for real time applications such as induction motors, boost converters, inverted pendulum and doubly fed induction generators has also been carried

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out which gives the book an edge over other similar titles. This book will be an asset for the novice to the experienced ones." — Rajesh Joseph Abraham, Indian Institute of Space Science & Technology, Thiruvananthapuram, India

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