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SAKIB R SAIKIA - University Of Florida Trees, View Frustum Culling, Planar Reflection Maps, Material System, Terrain Blending, Point Lights, Distance Fog, Cloud Cover, Video Playback Using LibSail, Rsx Memory Manager Developed The Game Framework For A Chess Game Demo, And Was Also Involved In Various GPU-side Performance Optimizations, Mainly On The PS3 Feb 1th, 2024

ME 101: Engineering Mechanics - IIT Guwahati Engineering Mechanics Rigid-body Mechanics

- A Basic Requirement For The Study Of The Mechanics Of Deformable Bodies And

The Mechanics Of Fluids (advanced Courses). • Essential For The Design And Analysis Of Many Types Of Structural Members, Mechanical Components, Electrical Devices, Etc, Encountered In Engineering. Apr 1th, 2024.

Ordinary Differential Equations - IIT GuwahatiShyamashree Upadhyay (IIT Guwahati)

Ordinary Differential Equations 16 / 25. Use Of Substitution : Homogeneous Equations Recall: A first Order Differential Equation Of The Form $M(x;y)dx + N Dy = 0$ Is Said To Be Homogeneous If Both M And N Are Homogeneous Functions Of The Same Degree. Feb 4th, 2024MA 102 (Multivariable Calculus) - IIT GuwahatiMA 102

(Multivariable Calculus) Rupam Barman And Shreemayee Bora Department Of Mathematics IIT Guwahati ... • G. B. Thomas, Jr. And R. L. Finney,Calculus And Analytic Geometry, 6th/ 9th Edition, Narosa/ Pearson Education India, 1996. Feb 3th, 2024

Metal Casting Processes - IIT Guwahati1. J S Campbell, Principles Of Manufacturing Materials And Processes, Tata McGraw Hill, 1995. 2. P C Pandey And C K Singh, Production Engineering Sciences, Standard Publishers Ltd., 2003. 3. S Kalpakjian And S R Schmid, Manufacturing Processes For Engineering Materials, Pearson Education, 2009. 4. E. Jan 8th, 2024.

Thermodynamics (XE-E) - IIT GuwahatiPolymer Science And Engineering (XE-F)

Question Number : 165 Correct : 2 Wrong : -0.66 Question Number : 166 Correct : 1

Wrong : -0.33 Mar 7th, 2024

Metal Forming Processes - IIT Guwahati

Impact Energy Applied Causes The Part To Take The Form Of The Die Cavity. Sometimes, Several Blows Of The Hammer Are Required To Achieve The Desired Change In Shape. Drop Hammers Are Classified As: Gravity Drop Hammers, Power Drop Hammers. Gravity Drop Hammers - Achieve Their Energy By The Falling Weight Of A Heavy Ram. The Force Feb 9th, 2024

Newton's Laws Of Motion - IIT Guwahati

Ma X 2 22 2 X Y A A 3rd Law Of Motion: M 22 FF Constraint Equations: 22 2 0 Xx Y A A Specification Of Coordinates: Unknowns: T F F A A A A, , , , , 1 2 1 2 2x X X Y There Are Seven Equations And Seven Unknowns. M M 1 M 2 F X Y X Y X 1 X 2 Apr 1th, 2024.

Center Of Mass And Centroids - IIT Guwahati-Dotted Lines Show Lines Of Action Of The Resultant Force In Each Case.-These Lines Of Action Will Be Concurrent At A Single Point G As Long As Dimensions Of The Body Are Smaller Compared With Those Of The Earth. - We Assume Uniform And Parallel Forc Apr 4th, 2024

Statically Indeterminate Structure - IIT Guwahati

Structural Analysis: Space Truss Static Determinacy Of Space Truss Six Equilibrium Equations Available To Find Out Support Reactions If These Are Sufficient To Determine All Support Reactions The Space Truss Is Statically Determinate Externally Equilibrium Of Ea Feb 4th, 2024

Orthographic Projections - IIT Guwahati

Pictorial Drawing Perspective Drawing

Multi-view Drawing Difficult To Create Easy To Visualize. Shape And Angle Distortion Object Looks More Like What Our Eyes Perceive. Size And Shape Distortion Right Angle Becomes Obtuse Angle. Circular Hole Becomes Ellipse Distorted Width Accurately Pr Apr 1th, 2024.

Complex Analysis - IIT Guwahati These Notes Were Prepared During The Lectures Given To MSc Students At IIT Guwahati, July 2000 And 2001.. Acknowledgments As Of Now None But Myself IIT Guwahati Charudatt Kadolkar. Contents Preface Iii Preface Head Iii Acknowledgments Ii Apr 8th, 2024 Plane Kinematics Of Rigid Bodies - IIT Guwahati Plane Kinematics Of Rigid Bodies Rigid Body • A System Of Particles For Which The Distances Between The Particles Remain Unchanged. • This Is An Ideal Case. There Is Always Some Deformation In Materials Under The ... To The Feb 3th, 2024 Space Curvilinear Motion - IIT Guwahati Kinematics Of Particles Space Curvilinear Motion Three-dimensional Motion Of A Particle Along A Space Curve. Three Commonly Used Coordinate Systems To Describe This Motion: 1. Rectangular Coordinate System (x-y-z) 2. Cylindrical Coordinate System (r- θ -z) 3. Spherical Coordinat Apr 5th, 2024.

RESUME - IIT Guwahati Computer Science And Engineering Department, Jadavpur University. (May 1999 - - June 2000). V) Assistant Professor, National Institute Of

Management Calcutta (July 2000 – December 2004). Vi) Assistant Professor, Indian Institute Of Technology Mar 9th, 2024
ME 111: Engineering Drawing - IIT Guwahati
K Venugopal, Engineering Drawing And Graphics, 3rd Edition, New Age International, 1998. Scheme Of Evaluation ... Students Having Attendance (lecture + Tutorial) Less Than 75%, Or For Both Lecture And Tutorial Independently Will Be Debarred From Appearing In The End Semester Examination. 4. N Apr 3th, 2024
OF POINTS, LINES & PLANES - IIT Guwahati
75mm On Both Lines. Name Those Points B 1 ' And B Respectively. 4) Draw Horizontal Component Of TL A B 1 From Point B 1 And Name It 1. (the Length A-1 Gives Length Of FV As We Have Seen Already) 5) Extend It Up To Locus Of A And Rotating A' as Center Locate B ' As Shown. Join A ' B ' As FV. 6) From B ' Drop A Projector Downward & Get Point B ...
File Size: 880KB
Page Count: 25
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Lecture7 Proj Of Lines And Proj Of Planes - IIT Guwahati
The Top View The Projection Of The End B Lies On The Locus Line Passing Through B 2. Thus Ab 2 The Front View Of The Line When It Is Inclined At θ To VP And Parallel To HP, Will Be Equal To A'b' And Also B, The Projection Of The End B In Feb 8th, 2024
Frames And Machines - IIT Guwahati
Example (3) On Frames Example Solution: FBDs $A_x = 4.32 \text{ KN}$ $A_y = 3.92 \text{ KN}$ $D = 4.32 \text{ KN}$ CE Is A Two-force Member Direction Of The Line Joining The Two

Points Of Force Application Determines The Direction Of The Forces Acting On A Two-force Member. Shape Of The Member Is Not Important. ME101 - Division III
Kaustubh Dasgupta 11 Jan 7th, 2024 Beams SFD And BMD - IIT Guwahati
Beams - SFD And BMD Shear And Moment Relationships Expressing V In Terms Of W By Integrating OR V_0 Is The Shear Force At X_0 And V Is The Shear Force At X
Expressing M In Terms Of V By Integrating OR M_0 Is The BM At X_0 And M Is The BM At X
 $V = V_0 + (\text{the Negative Of The Area Under } \frac{dV}{dx} \text{ The Loading Curve From } X_0 \text{ To } X)$
Feb 8th, 2024.

Introduction To Genetic Algorithms - IIT Guwahati Introduction To Optimization 7
November 2013 4 Multiple Optimal Solutions. R.K. Bhattacharjya/CE/IITG Genetic Algorithms 7
November 2013 5 Genetic Algorithms Are The Heuristic Search And Optimization Te Mar 3th, 2024
Lecture 10 Projection Of Solids - IIT Guwahati
Pyramids - A Polyhedron Formed By A Plane Surface As Its Base And A Number Of Triangles As Its Side Faces, All Meeting At A Point, Called Vertex Or Apex. Axis - The Imaginary Line Connecting The Apex And The Center Of The Base. Inclined/slant Faces - Inclined Triangular Side Faces. Inclined/slant/longer Edges - The Edges Which Connect The Apex And The Base Corners. Jan 1th, 2024
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Mechanics: Scalars And Vectors • Scalar - Only

Magnitude Is Associated With It • e.g., Time, Volume, Density, Speed, Energy, Mass Etc. • Vector –Possess Direction As Well As Magnitude –Parallelogram Law Of Addition (and The Triangle Law) –e.g., Displacement, Velocity, Acceleration Etc. • Tensor –e.g., Stress (3 3 Components) ME101 - Division III Kaustubh Dasgupta 1 Jan 8th, 2024.

Plane Kinetics Of Rigid Bodies - IIT GuwahatiPlane Kinetics Of Rigid Bodies:: Relates External Forces Acting On A Body With The Translational And Rotational Motions Of The Body:: Discussion Restricted To Motion In A Single Plane (for This Course) Body Treated As A Thin Slab Whose Motion Is Confined To The Plane Of Slab Plane Containing Mass Center Is Generally Considered As Plane Of Motion All Forces That Act On The ... Feb 2th, 2024

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