

# Mecanica Vectorial Para Ingenieros Dinamica 10 Edicion

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VECTORIAL PARA INGENIEROS Mecánica Vectorial para Ingenieros Mécanica vectorial para ingenieros Mecánica vectorial para ingenieros (estática) *M.C. Carlos Alberto Velázquez Casillas Ferdinand Pierre Beer Ferdinand Pierre Beer Ferdinand Pierre Beer Ferdinand P. Beer Ferdinand P. Beer Ferdinand P. Beer Harry R. Nara Ferdinand P. Beer James L. Meriam Ferdinand P. Beer R. C. Hibbeler Russell C. Hibbeler Ferdinand Pierre Beer FERDINAND P AUTOR BEER Ferdinand Pierre Beer Héctor Miranda Ortiz*

este libro de mecánica vectorial para ingenieros estática fue elaborado como un libro que sirva al maestro impartir el curso de estática así mismo para que el alumno pueda estudiar dicha materia sin ayuda del maestro ya que está escrito de tal manera que se está dando el curso de lo que el maestro escribe en el pizarrón y los comentarios que se hacen al explicar la clase el libro contiene una parte donde se repasan los conocimientos previos que debe tener el alumno para el curso de estática además consta de cinco capítulos en el capítulo i se trata del análisis de partículas donde se estudian las fuerzas en dos y tres dimensiones y el equilibrio de una partícula en el capítulo ii el análisis del cuerpo rígido donde se estudian las fuerzas del cuerpo rígido momentos de una fuerza sistemas equivalentes de fuerzas los diagramas de cuerpo libre y el equilibrio de un cuerpo rígido el capítulo iii son los métodos de análisis de estructuras isostáticas donde se estudian las armaduras los marcos isostáticos las máquinas de baja velocidad y el trabajo virtual el capítulo iv son las propiedades de áreas planas y líneas donde se estudian los momentos de áreas y líneas centroides y centros de gravedad el capítulo v es la fricción donde se estudian las fuerzas de rozamiento cada capítulo tiene problemas para practicar la mitad de ellos tiene resultados y la otra mitad no los tiene para que el alumno pueda consultar con los demás compañeros los resultados obtenidos evaluando así sus conocimientos

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al igual que sus predecesoras esta tercera edición de mecánica para ingenieros se ha escrito teniendo presente la anterior filosofía pensada especialmente para un primer curso de mecánica que generalmente se imparte en el segundo curso de carrera se ha redactado en un estilo a la vez conciso y llano frente a la posibilidad de presentar una multitud de casos particulares se ha preferido insistir fuertemente en mostrar la cohesión entre los conceptos fundamentales que son relativamente pocos y la gran variedad de problemas que con tan pocos conceptos se pueden resolver

offers a concise and thorough presentation of engineering mechanics theory and application the material is reinforced with numerous examples to illustrate principles and imaginative well illustrated problems of varying degrees of difficulty the book is committed to developing users problem solving skills

contenido qué es la mecánica conversión de un sistema de unidades a otro estática de partículas cuerpos rígidos sistemas equivalentes de fuerza equilibrio de cuerpos rígidos fuerzas distribuidas centroides y centros de gravedad análisis de estructuras fuerzas en vigas y cables fricción fuerzas distribuidas momentos de inercia método del trabajo virtual

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