

Razón y ser de los tipos estructurales

Eduardo Torroja Miret

Textos Universitarios • 13

En 1957, Eduardo Torroja publica *Razón y ser de los tipos estructurales*, libro de difícil categorización en la literatura técnica sobre ingeniería estructural. No es un libro de texto sobre análisis estructural ni sobre el comportamiento de los materiales, aunque tiene un profundo carácter didáctico en estas materias. No es un libro solamente informativo sobre los tipos estructurales al uso y sus formas. Ni, aún menos, es un libro de investigación. En cualquier caso, el conjunto de reflexiones que un proyectista de estructuras espone como resultado de un proceso mental, tanto racional como irracional, o emocional, a la hora de plantearse un nuevo proyecto: del peso de experiencias y vivencias de una vida de trabajo en este campo. En él, Torroja no sólo habla de conceptos técnicos, también habla de sus preferencias estéticas, de las posibilidades formales de decoración a líneas y superficies, de la responsabilidad del proyectista y de su organización... Ingenieros, arquitectos, estudiantes o simplemente interesados por el diseño estructural, encontrarán en sus páginas ideas que capten su atención, y se sentirán atraídos por el estímulo de conceptos, imágenes, reflexiones y, en definitiva, de creaciones y sugerencias que en él se encuentran.

Razón y ser, como toda obra escrita, colocalizándose al libro, tuvo un rápido éxito. A su primera edición, editada por el entonces Instituto Técnico de la Construcción y del Cemento, siguió una segunda, en 1960, corrigiendo alguna errata de la primera —«introduciendo, sin quevedos, algunas nuevas»—, a la que Torroja añadió unos párrafos en el capítulo XII, relativos al uso de las mallas rasas en cubiertas, una técnica todavía poco utilizada en su época. No obstante, internacionalmente el libro siguió siendo rígido, viéndose la primera edición en italiano, alemán y japonés. La primera reimpresión del autor, en 1961, supuso que se modificasen algunas de las ediciones en F.R.G., Francia, Polonia y Yugoslavia. En España, cuando el Consejo Superior de Investigaciones Científicas concentró las publicaciones de todos sus Centros, su Departamento de Publicaciones, ante la demanda del libro, siguió realizando nuevas reimpresiones, todas ellas a partir de aquella segunda de 1960.

La presente tercera edición revisada, por el contrario, aunque basada íntegramente en la dos primeras, representa un nuevo esfuerzo editorial, modernizando su presentación y añadiendo algunas imágenes aclaratorias del texto. Representa, en definitiva, el esfuerzo por mantener vivo el pensamiento, vigente hoy día, por el Grupo mencionado, de un gran ingeniero de su época.

José A. Torroja

Razon Y Ser De Los Tipos Estructurales Textos Universitarios 13

**Jesús Martínez Frías, José Daniel
Martín Ramos**



Razon Y Ser De Los Tipos Estructurales Textos Universitarios 13:

Razón y ser de los tipos estructurales Eduardo Torroja Miret, 2007 Esta nueva edición de la ya clásica obra de Eduardo Torroja pone de manifiesto el extraordinario interés que sigue manteniendo para el lector especializado En esta ocasión se han incluido algunas imágenes nuevas como apoyo a la revisión que hizo el propio autor para la segunda edición de 1960 al mismo tiempo se ha actualizado la presentación En cuanto al contenido además de conceptos técnicos en los expresados Torroja concibe el libro como un conjunto de reflexiones planteadas a la hora de enfrentarse con un nuevo proyecto entre estas sus preferencias estéticas las posibilidades formales de determinadas líneas y superficies o las responsabilidades del proyectista *Manual de estudios ugaríticos* Jesús-Luis Cunchillos, 1992 Antología de prosistas castellanos Ramón Menéndez Pidal, 1992 El inglés antiguo en el marco de las lenguas germánicas occidentales Catalina Montes, María Pilar Fernández Álvarez, Gudelia Rodríguez, 1995 **Estética y teoría de la arquitectura en los tratados españoles del siglo XVIII** Francisco José León Tello, María M. Virginia Sanz Sanz, 1994 Introducción a la lexicografía moderna Julio Casares, 1992 **Caracterización de materiales** Jordi Rius Palleiro, 1992 Recursos minerales de España Javier García Guinea, Jesús Martínez Frías, 1992 *Fundamentos de la geometría* David Hilbert, 1991 **Sulfuros y sulfosales de metales nobles** Jesús Martínez Frías, José Daniel Martín Ramos, 1995 **Mariano Rodríguez de Ledesma Colección de cuarenta ejercicios o estudios progresivos de vocalización (París, 1828c)** Mariano Rodríguez de Ledesma, 2003 **Fundamentos físicos de la mecánica de la fractura** Francisco Guiu Giralt, 1997 **Tratado de paleontología** Bermudo Meléndez, 1998 *Control activo del ruido* Pedro Cobo Parra, 1997 **Técnica de los sistemas dinámicos discretos** Miguel Romera García, 1997 Bioelectromagnetismo Miguel Aguilar Gutiérrez, 2001 Diccionario técnico-histórico del órgano en España Joaquín Saura Buil, 2001 **Francesc Valls** Francisco Valls, 2002 **Problemas y métodos de la lingüística** Walther von Wartburg, 1991 *Introducción al latín vulgar* Charles Hall Grandgent, 1991

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