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Sums, products and bases

Phillip Schultz

The University of Western Australia [schultz@maths.uwa.edu.au]

A power basis for a direct power R^J of a unital ring R and an infinite set J is an independent spanning set for R^J . I study the existence, properties and classification of power bases, and the structure of the endomorphism ring and automorphism group of R^J . Particularly nice results occur when R is slender, and a new characterization of slender rings is obtained.