The category of atomic monoids

Federico Campanini

We study the category AtoMon of atomic monoids and atom-preserving maps, which is a (non-full) subcategory of the category Mon of monoids. We compute all limits and colimits, showing that AtoMon is both a complete and cocomplete category. Finally, we study some arithmetic properties of products and coproducts of atomic monoids.

Based on a joint work with Laura Cossu and Salvatore Tringali.

federico.campanini@uclouvain.be

Université catholique de Louvain,
Chemin du cyclotron 2,
1348 Louvain-la-Neuve,
Belgium.

References

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