

عنوان مقاله:

Homogenous finitary symmetric groups

محل انتشار:

فصلنامه تئوری گروهی، دوره 4، شماره 1 (سال: 1394)

تعداد صفحات اصل مقاله: 6

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خلاصه مقاله:

We characterize strictly diagonal type of embeddings of finitary symmetric groups in terms of cardinality and the characteristic. Namely, we prove the following. Let κ be an infinite cardinal. If $G = \bigcup_{i=1}^{\infty} G_i$, where $G_i \cong \text{FSym}(\kappa n_i)$, $H = \bigcup_{i=1}^{\infty} H_i$, where $H_i \cong \text{Alt}(\kappa n_i)$, is a group of strictly diagonal type and $\xi = (p_1, p_2, \dots)$ is an infinite sequence of primes, then G is isomorphic to the homogenous finitary symmetric group $\text{FSym}(\kappa)(\xi)$ (H is isomorphic to the homogenous alternating group $\text{Alt}(\kappa)(\xi)$), where $n_0 = 1$, $n_i = p_1 p_2 \dots p_i$.

کلمات کلیدی:

Finitary symmetric groups, Centralizer, Locally finite simple groups

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