

The thesis deals with the purity of lanthanoids and their purification using the solid state electrotransport (SSE). This method is used for high-level purification of metals. This process is really slow and is suitable especially for need of science. For this method we have prepared the cer and praseodym samples in monoarc and applicated SSE process on them. Afterthat we measured RRR (residual resistivity ratio) using four-point connection of the samples of cer and praseodym before and after the purification process and compared the values. The metals after SSE method always show a higher RRR value which means the lower level of impurities.