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SGD021-P02

Room:Convention Hall

Time:May 23 14:00-16:30

Research on the parallel processing of VLBI USB samplers by using virtualization OS

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K5/VSSP(Versatile Scientific Sampling Processor)32 sampler can be connected by USB. It is used for VLBI(Very Long Baseline Interferometry) observation. In the normal operation only one sampler can operate by one PC. To improve the problem, we introduce the latest Multi-virtual OS technology. We installed four virtual OSs in one PC. And we operated one sampler by one virtual OS, respectively. We have succeeded in the realize the geodetic VLBI observation of 16ch/8Mbps and 16Mbps by using only one PC with our multi-virt system. We will report our analysis of the experiment by using the correlation processing.

Keywords: virtualization, VLBI, sampler, correlation processing