

Meeting: 1003, Atlanta, Georgia, SS 33A

1003-32-828 **Sevdiyov Akramovich Imomkulov*** (sevdi@rambler.ru), 14, H.Olimjon st., 740013 Urgench, Khorezm, Uzbekistan. *On holomorphic continuation of functions*. Preliminary report.

The main result of the present paper are following theorem.

Theorem. Let $'D \in C^{n-1}$ a bounded domain of Lyapunov and $f('z, z_n)$ is a holomorphic function in the cylinder $D = 'D \times U_n$ and continuous on the \overline{D} . If for each fixed $'a$ in some set $E \subset \partial'D$, with positive measure $mesE > 0$, the function $f('a, z_n)$ of z_n can be continued to a function holomorphic on the whole plane with the exception of some finite set (polar set) singularities then $f('z, z_n)$ can be holomorphically continued to $('D \times C) \setminus S$, where S is some analytic (pluripolar) subset of $'D \times C$. (Received September 30, 2004)