

Formation of initial approximation from digital ionograms.

Works with visual control.

Algorithm description

- 1) Two linear segments giving the best $F(H)$ fit at low and high altitudes are found from the condition $R = \sqrt{C \cdot DP^2 + (1-c)DP'^2}$, where P is the reflection power $P' = dP/dF$, D means the difference between zones below and above the boundary.
- 2) The Lorentzian function is reconstructed from these two segments
- 3) The plot is visually compared with the ionogram, and if the results is OK, the approximation parameters are put into the file.

The description of the output file are given in the *.lst file with the same name