

The invention relates to means of radio location. Method of digital correlation of radar direction finding in which one receives radio radiation with two fixed, separated in space antennae with following preliminary selection, transformation of frequency and amplification of signal in two radio-channels. After that one transforms formed radio-signals to digital form with determination of discrete cross correlation to all possible values of given parameter that is controlled in one of channels. After that its limit value is determined, this corresponds to maximal value of discrete cross-correlation function. After that by determined limit value of given parameter that is controlled in one of radio-channels and with account of spatial arrangement of antennae one determines direction to source of radio emission. Given parameter that is controlled in one of radio channels is linear-frequency phase shift. At that after transformation of formed radio-signals to digital form one additionally determines complex frequency specters of those radio-signals. After that for all possible values of linear-frequency phase shift one performs transformation of one of complex frequency spectra by means of adding to its phase-frequency component linear-frequency phase shift. One determines discrete cross-correlation function of transformed and not transformed complex frequency spectra of radio-signals. After that one determines limiting value of linear frequency phase shift that corresponds to maximal value of cross-correlation function of complex frequency spectra. After that by determined limiting value of linear-frequency shift and with account of spatial arrangement of antennae one determines direction to source of radio emission. Device includes connected in respective way two fixed separated in space antennae connected to inputs of two receivers, respectively, with outputs connected to inputs of two analog-digital transformers, respectively, and connected in sequence digital correlator, block for determination of maximum and block for determination of bearing. Additionally are included two digital analyzers of complex spectrum and block for transformation of complex spectrum and digital correlator is digital correlator of complex spectra. The invention provides increase of accuracy and rate of radio direction finding.