Exactness Estimation Of Magnetic Compass Deviation Accounting

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Exactness of the known formula of description of remaining magnetic deviation is examined. It is shown that at a roll and different of ship a formula gives considerable errors. Examples of estimations of error are made for the different corners of ship position and different geographical location. The calculation of magnetic deviation is offered on other formula, containing the components of magnetic field of object, described by the model of Poisson. This formula gives a more accurate estimate of the deviation, which depends only on the accuracy of determining the parameters of the magnetic field of the vessel.
Keywords: *magnetic compass, magnetic deviation, magnetic parameters of Poisson.*