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**IDENTIFICATTION OF CHARACTERISTICS  
 OF STANDARD CONDITIONS IN COLOR SEPARATION  
 USING PROGRAM «ICaS-COLOR INKS GAMUT»**

**B. M. Kovalskiy1, V. V. Semeniv1, M. R. Semeniv1, M. V. Shovhenyuk2**

*1Ukrainian Academy of Printing,*

*19, Pid Holoskom St., Lviv, 79020, Ukraine*

*bkovalskyy@ukr.net*

*2Institute for Condensed Matter Physics of National Academy of Sciences of Ukraine*

*1, Sventsitskoho St., Lviv, 79011, Ukraine*

***Research methodology.*** *With our program «ICaS-Color Inks Gamut» we have made a study and analysis of characteristic color data for recommended standardized printing conditions.*

***Results.*** *The**maximum value indicator for TAS image in CMYK model has been calculated. The colour separation in different colors of ICC-profiles has been made to test the image that are based on the new characteristic data in accordance with international standards.*

***Novelty.*** *First conducted studies helped to create a database of basic color inks vectors and their pair wise overlays for recommended characteristic (standard ) printing conditions according to the requirements of the new international standard ISO 12647-2:2013.*

***The practical significance.*** *The results give reason to believe that the value of the nonlinearity index depends largely on the type of paper. The average values of the nonlinearity parameter of colored inks prints have been defined on the basis of characteristic data standard in the new edition.*