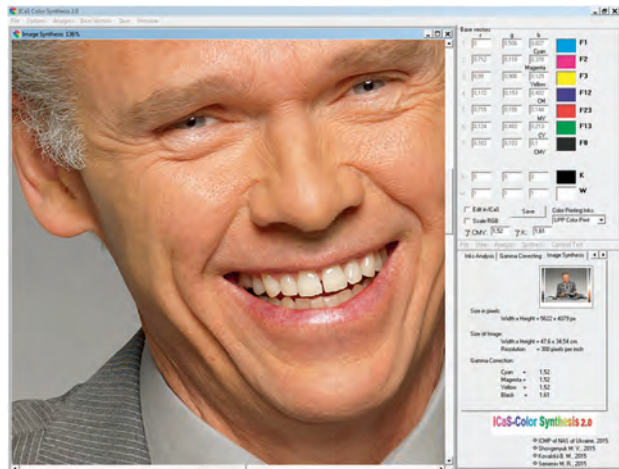


ICaS-ColorPrint® INFORMATION TECHNOLOGY FOR COLOR PRINTING

Advantages

The existing technologies use the classic principle of color printing by black and three or more colors. ICaS-ColorPrint® is a unique technique that provides ideal conditions for color printing: maximum limit of colored inks is 200%; maximum limit of all inks (including black) is 300% that exceeds the requirements of state-of-the-art color printing standards; high quality of color reproduction; and essential saving of colored inks (about 50–70%)



ICaS-Color Synthesis 2.0 window

Areas of Application

The technology is to be used for prepress artwork setup for digital and offset color printing of illustrated books

Stage of Development. Suggestions for Commercialization

IRL8, TRL7

Original software and staff training

Specification

The technology uses a new principle of color printing based on analytical methods for analysis and synthesis of color images. Every pixel is reproduced only by black and two other colors. The original software enables original image separation, color correction, printed image synthesis, and color overlay

IPR Protection

IPR3, IPR4

Contact Information

Oleksandr L. Ivankiv, Institute for Condensed Matter Physics of the NAS of Ukraine;
+38 032 276 11 57, e-mail: oiva@icmp.lviv.ua