

A letter from the Editor

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The last issue of the Journal in 2022 is in front of you. It consists of four papers covering wide scientific and research fields of our interdisciplinary periodical. Unfortunately, also the Errata section is added, after a few years. The attentive reader, a student, found an error in the published paper where the graphs with tone reproduction curves of prints were in the shape characteristic for the visual presentation of the tone value increase. Thanks to the student and his professor, the member of the Scientific Advisory Board, the wrong graphs, unfortunately, overlooked by the authors, the reviewers, and the editors, are now corrected.

The first paper of the current Journal issue deals with the study of the effectiveness and utilization of equipment in the newspaper printing house. The second paper shows the new approach to image contrast enhancement based on the bat algorithm. The added value of both original scientific papers is in the use of modern tools based on adapted algorithms and computer programs used in the research process and presentation of the results.

The third, research paper deals with markers for image registration in digital photography for correction and compensations of camera tilt for improved registration of stacked images in digital photography.

The fourth article gives the results of the research on the naturalness perception of 2.5D prints of wood images, based on the assessments and descriptions of the printed samples given by observers.

The Topicalities, edited by Markéta Držková (marketa.drzkova@jpmtr.org), begins with the news on research activities conducted by CIE and Fogra, including an overview of newly published standards by CIE, on colorimetry, color management systems and measurement of light.

The books from the Bookshelf are dedicated to additive manufacturing / 3D printing, print history, design, textile printing, and some other fields. An interesting news for experts in flexography is a publication of a new edition of FIRST 7.0, the well-known overview of specifications and tolerances in this field.

Three doctoral theses are also “on the Bookshelf”. Olga Taran defended her thesis at the University of Geneva. The topic of her research was artificial intelligence and machine learning applied to the security of printed graphical codes used in anti-counterfeiting technologies. The second presented thesis was defended by Davit Gigilashvili at the Norwegian University of Science and Technology, Gjøvik. His research was oriented on the appearance of translucent objects and their perception and assessment by human observers. Liwen Zhang defended his thesis at the University of New South Wales, Sydney. With his research, he contributed to the development of reversible-deactivation radical polymerization and its application in 3D printing.

An overview of the events is a bit short but the good news is the presence of “live” symposiums and conferences. Some events are dedicated mainly to printing challenges, research, and technology; however, similar topics are included and covered also by the events that are primarily dedicated to imaging, photonics, computer graphics, and similar fields.

The tough year, impacted by the pandemic, war, economic, energy, and other crises, is behind us, and I am convinced there are some moments and events to forget for many of us. However, the new year is in front of us. I would like to express my good wishes and success to all colleagues, members of the editorial team, readers of the Journal, researchers, and supporters of our activities. The call for papers is constantly open, and I would appreciate your contributions as authors, reviewers, or members of the editorial team.

Ljubljana, December 2022

Errata

The following corrections are to be made:

J. Print Media Technol. Res. Vol. 10 No. 2 (2022), paper JPMTR-2119, pp. 99–118.

Page 111: The Figures 16 and 17 are incorrect and should be replaced with the correct figures below.

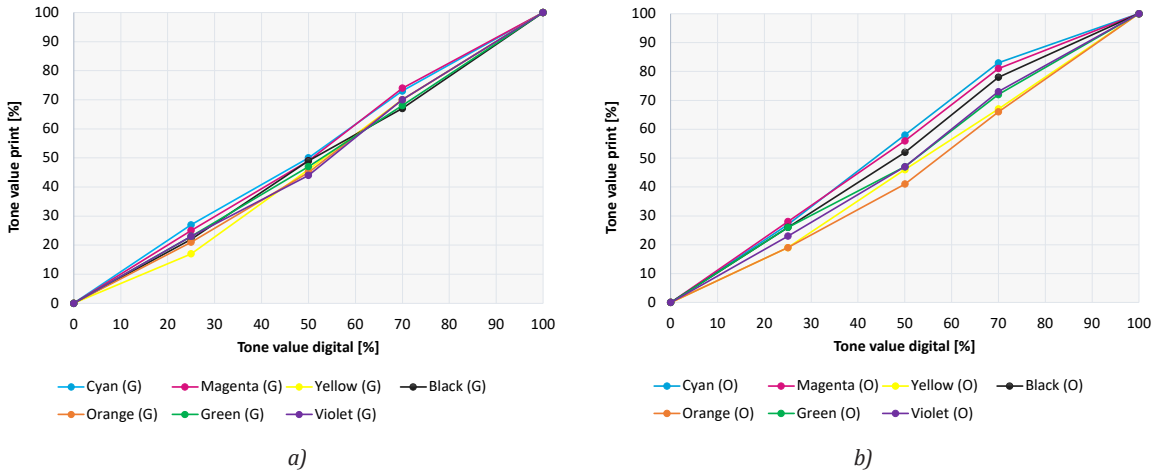


Figure 16: The SCTV tone value curves from the Esko verification run for the gear (a) and operator (b) side; variation in tonal values is noticeable between the two sides

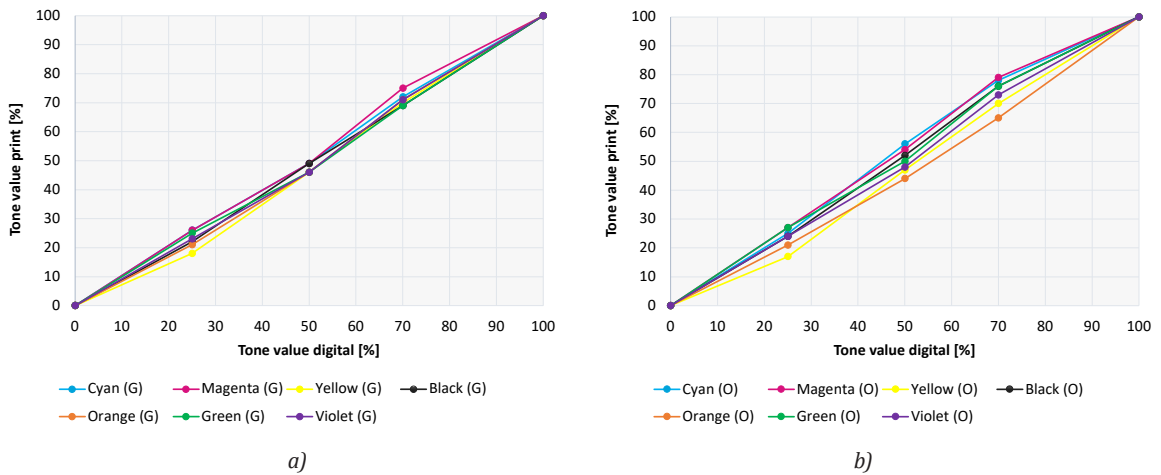


Figure 17: The SCTV tone value curves from the GMG verification run for the gear (a) and operator (b) side; variation in tonal values is noticeable between the two sides

Pages 116 and 117 (Appendix): the Figures A1 to A6 are incorrect and should be replaced with the correct figures below.

Detailed SCTV curves from the Esko characterization press runs

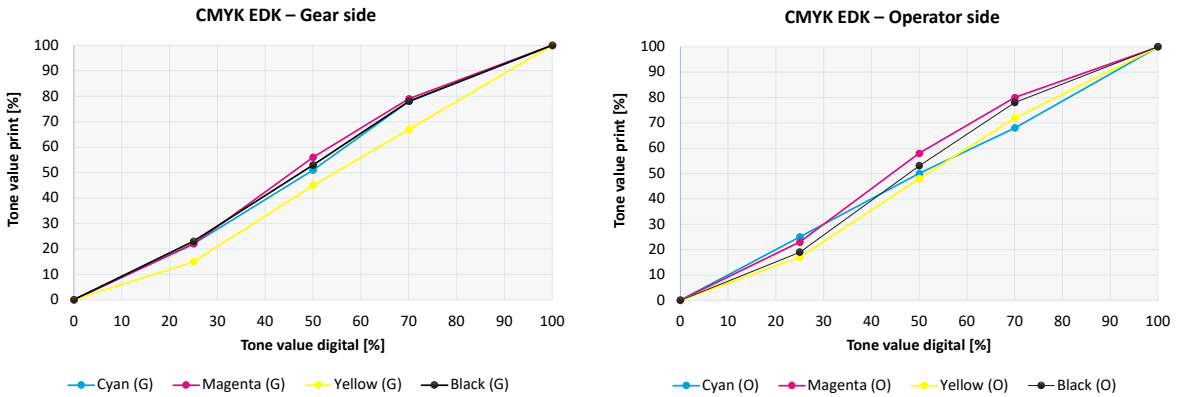


Figure A1: CMYK EDK tone value curves

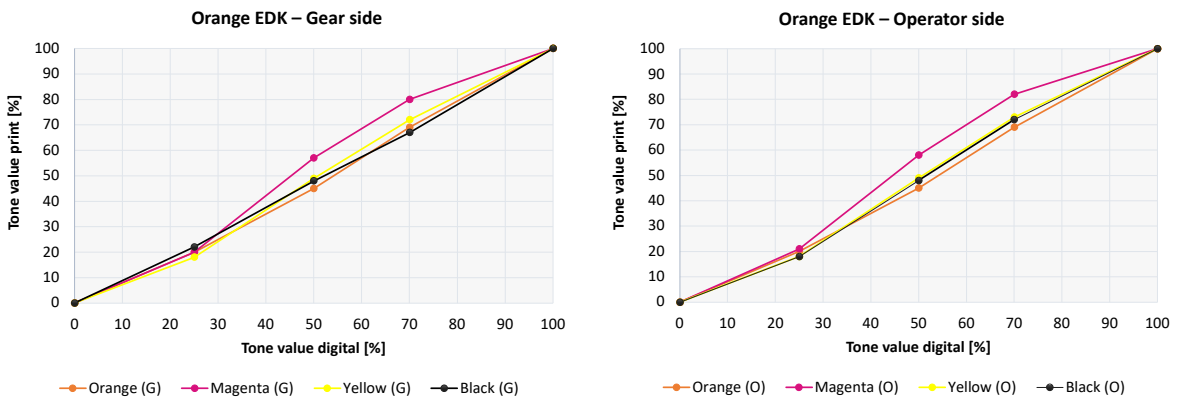


Figure A2: OMYK (Orange) EDK target tone value curves

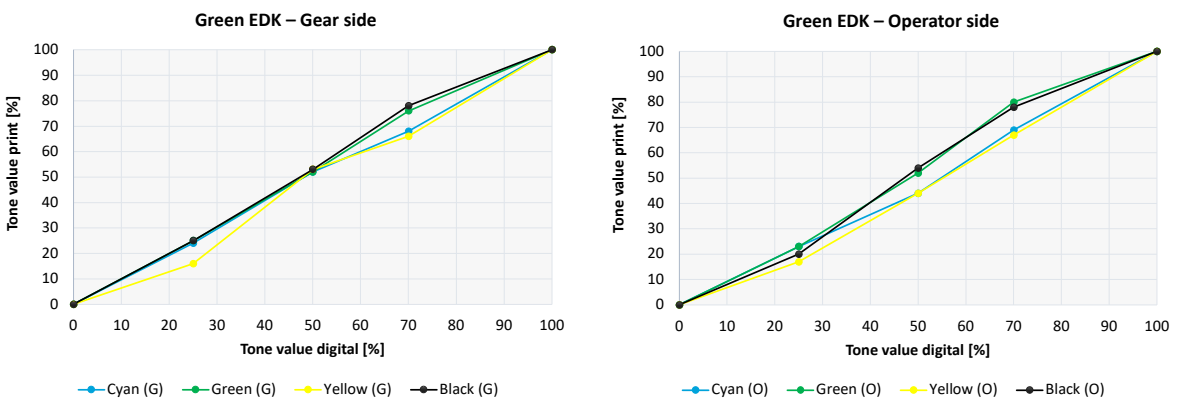


Figure A3: CGYK (Green) EDK target tone value curves

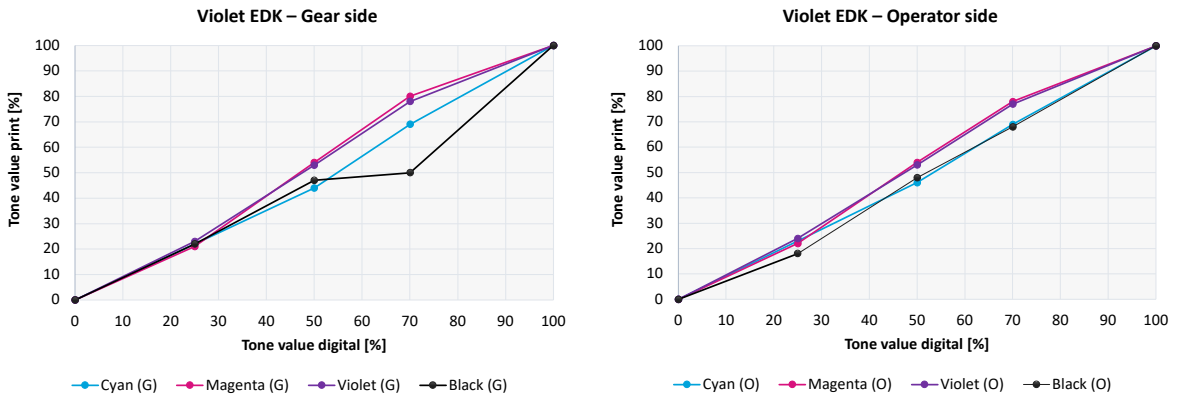


Figure A4: CMVK (Violet) EDK target tone value curves

Detailed SCTV curves from the GMG characterization press run

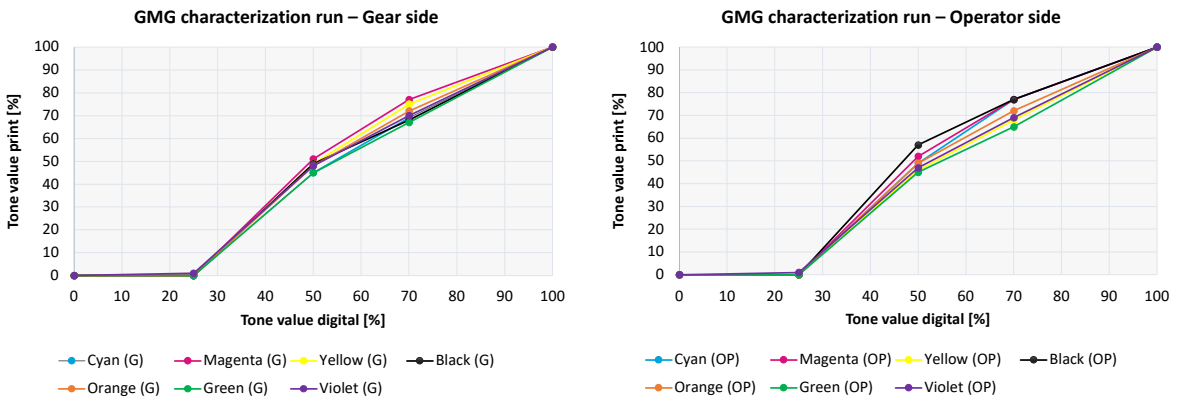


Figure A5: Tone value curves for the GMG characterization run

Detailed SCTV curves from the ISC chart characterization run

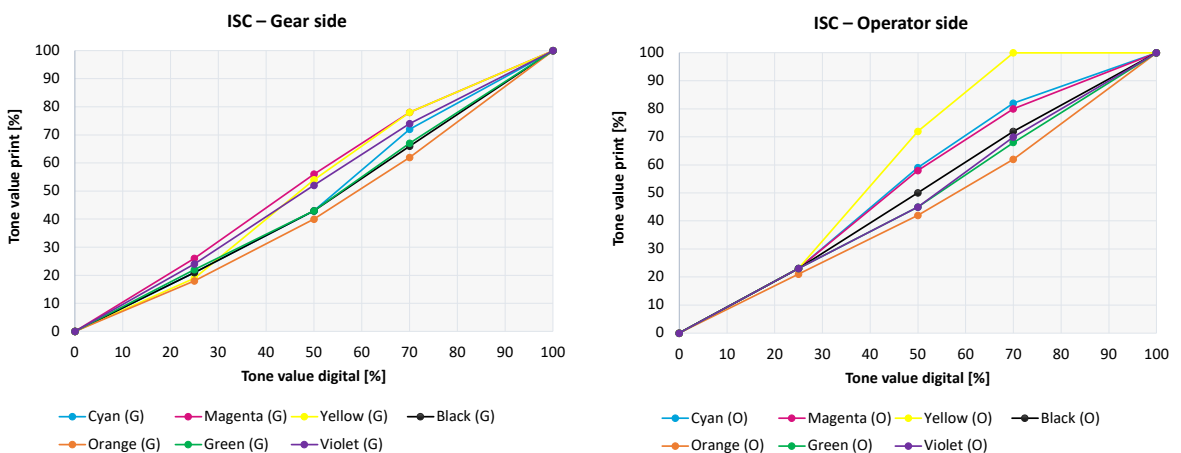


Figure A6: Tone value curves for the ISC characterization run

