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Techniques and algorithms of analysis and synthesis of complex images on the basis of the group-theoretic approach. (Ukrainian. English summary) [Zbl 1199.68479](#)

Dopov. Nats. Akad. Nauk Ukr., Mat. Pryr. Tekh. Nauky 2009, No. 11, 39-45 (2009).

Summary: A group-theoretic approach to image analysis and synthesis is proposed. It allows one to describe, effectively store, analyze, and synthesize different image classes within one theoretical approach. Designed algorithms are implemented in the integrated development environment Visual C++Express Edition with the use of the open computer vision library Open CV.

MSC:

[68U10](#) Computing methodologies for image processing

Keywords:

image analysis; [Visual C++](#); [Open CV library](#)

Software:

[Visual C++](#)