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**Title:** Some numerical characteristics of Sylvester and Hadamard matrices

**Author(s):** Ágota Figula and Vakhtang Kvaratskhelia

We introduce numerical characteristics of *Sylvester* and *Hadamard matrices* and give their estimates and some of their applications.

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**Address:**

Á. Figula  
Department of Mathematics  
University of Debrecen  
H-4010 Debrecen, P.O. Box 12  
Hungary

**Address:**

V. Kvaratskhelia  
Muskhelishvili Institute  
of Computational Mathematics  
of the Georgian Technical University  
Akuri str., 8, Tbilisi 0160  
Sokhumi State University  
A. Politkovskaia str., 9  
Tbilisi 0186  
Georgia