

**CENSUS OF SYMMETRIC AND SKEW HADAMARD  
MATRICES OF ORDER  $4v$  FOR ODD  $v < 2500$**

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ABSTRACT. An up-to-date listing of the existence of symmetric and skew Hadamard matrices of order  $4v$  for odd  $v < 2500$  is given. In addition an existence theorem for asymptotic skew Hadamard matrices is given for prime powers  $\equiv 3 \pmod{4}$  and those  $\equiv 5 \pmod{8}$ .