

ON A METHOD FOR COMPUTING THE EIGENVALUES OF  
SECOND KIND FREDHOLM OPERATORS

Vito M. ARENA - Bruna GERMANO - Paolo E. RICCI

University "La Sapienza"  
I-00185 Rome, Aldo Moro, 2

*(Received: December 2, 1997)*

*Abstract*

We derive a general method for computing eigenvalues of second kind Fredholm operators, which is an analog of the inverse iteration method for finite dimensional operators.

*Key words and phrases:* Fredholm integral equations, eigenvalues, inverse iteration method, Rayleigh-Ritz method.

*AMS subject classification:* 45C05; 45B05; 65R20.