

# A QUADRATURE METHOD FOR SYSTEMS OF CAUCHY SINGULAR INTEGRAL EQUATIONS

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This talk deals with the numerical treatment of systems of Cauchy singular integral equations with constant coefficients. A quadrature type method is proposed and its stability and convergence are proved in weighted  $L^2$  spaces. Moreover it is shown that the procedure leads to solve a determined and well conditioned linear system.

## REFERENCES

- [1] M.C. De Bonis, C. Laurita, *A quadrature method for systems of Cauchy singular integral equations*, Submitted.