

# A NEW FAMILY OF MIXED FINITE ELEMENT STABLE PAIR FOR STOKES EQUATION

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## ABSTRACT

In this paper, we consider a new family of mixed finite element stable pair to solve stokes equation, This new mixed finite element stable pair using Raviart-Thomas element and piecewise constant function to construct finite dimensional space . In addition, we try to establish a new family of mixed finite element pair Raviart-Thomas element and Crouzeix-Raviart element pair and conclude that it is not stable.

## REFERENCES

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