

有限要素法における誤差解析再考

Hiroki Ishizaka 石坂 宏樹

March 26, 2025

Abstract

個人的な論文まとめノートです.

Contents

References

- [石坂 PhD] Ishizaka H. Anisotropic interpolation error analysis using a new geometric parameter and its applications. Ehime University, Ph. D. thesis (2022)
- [石坂 22] Ishizaka, H.: Anisotropic Raviart–Thomas interpolation error estimates using a new geometric parameter. *Calcolo* 59 (4), (2022)
- [石坂 24a] Ishizaka, H.: Anisotropic weakly over-penalised symmetric interior penalty method for the Stokes equation. *Journal of Scientific Computing* 100, (2024)
- [石坂 24b] Ishizaka, H.: Morley finite element analysis for fourth-order elliptic equations under a semi-regular mesh condition. *Applications of Mathematics* 69 (6), 769–805 (2024)
- [石坂 24c] Ishizaka, H.: Hybrid weakly over-penalised symmetric interior penalty method on anisotropic meshes. *Calcolo* 61, (2024)
- [石坂 25a] Ishizaka, H.: Anisotropic modified Crouzeix–Raviart finite element method for the stationary Navier–Stokes equation. *Numerische Mathematik*, to appear (2025)
- [石坂小林鈴木土屋 21] Ishizaka, H., Kobayashi, K., Suzuki, R., Tsuchiya, T.: A new geometric condition equivalent to the maximum angle condition for tetrahedrons. *Comput. Math. Appl.* 99, 323–328 (2021)
- [石坂小林土屋 21a] Ishizaka, H., Kobayashi, K., Tsuchiya, T.: General theory of interpolation error estimates on anisotropic meshes. *Jpn. J. Ind. Appl. Math.* 38 (1), 163–191 (2021)
- [石坂小林土屋 21b] Ishizaka, H., Kobayashi, K., Tsuchiya, T.: Crouzeix–Raviart and Raviart–Thomas finite element error analysis on anisotropic meshes violating the maximum-angle condition. *Jpn. J. Ind. Appl. Math.* 38 (2), 645–675 (2021)
- [石坂小林土屋 23] Ishizaka, H., Kobayashi, K., Tsuchiya, T.: Anisotropic interpolation error estimates using a new geometric parameter. *Jpn. J. Ind. Appl. Math.* 40 (1), 475–512 (2023)