DG2020/02/12

Wednesday, February 12, 2020 11:39 AM





$$\begin{aligned} \begin{aligned} & (u_{1}) = (u_{1}^{-}) - (u_{1}^{-}) & (u_{2}^{-}) = (u_{1}^{-}) & (u_{2}^{-}) + (u_{2}^{-}) & (u_{2}^{-})$$

)ds

enter Centruck y UT of The ssential R $\left[+ \right]$ Induced contral of T-T) on interior infertaes for shite Oden s p=0 elements ((ansh per element) WIPC (-,+ is not fearbe woll Oden's -2.2 1.5

The discussion above was from Riviere_PenaltyMethod_formulation.pdf Discontinuous Galerkin Methods for Solving Elliptic and Parabolic Equations

Arnold_2002_Unified analysis of discontinuous Galerkin methods for elliptic problems.pdf

TABLE 6.1



For Elliptic PDEs: E=1 = SIPG need large X NIPG ~ LDG,... for good properties Weill se for parabellie PDES à can bezero (Oden weilhed is five for P>0?