

Error estimation for the dkmq24 shell element using various recovery methods

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Abstrak

This paper presents an application of the DKMQ24 element for error estimation using error estimator Z_2 and various recovery methods such as Averaging (AVR), Projection (PROJ) and Superconvergent Patch Recovery (SPR). The stresses found by using these recovery methods were compared to the reference solution. It was found that the AVR and SPR methods gave better results than PROJ method.