## Simulations in Structural Masonry Walls with Chases Horizontal Through Models in State Deformation Plan (2D)

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**Abstract :** This work presents numerical models in plane deformations (2D), using the Discrete Element Method formedbybars (LDEM) andtheFiniteElementMethod (FEM), in structuralmasonrywallswith horizontal chases of 20%, 30%, and 50% deep, located in the central part and 1/3 oftheupperpartofthewall, withcenteredandeccentricloading. Differentcombinationsofboundaryconditionsandinteractionsbetweenthemethodswerestudied.

**Keywords :** chases in structural masonry walls, discrete element method formed by bars, finite element method, numerical models, boundary condition

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