Numerical modeling of metallic ion species Fe⁺, Mg⁺, and Na⁺ and studies of the layer structures in mid-latitude ionosphere Yenchieh Lin¹², Yenhsyang Chu¹, Xinzhao Chu²



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Abstract This study focusing on establishing a time dependent theoretical numerical model that are capable of simulating primary ion species/electron in mid/low-latitude ionosphere E-F-region. The layer structures in ionosphere including sporadic-E layers(Es), intermediate