

**عنوان مقاله:**

Hydrodynamics of Tractor AZIPOD System

**محل انتشار:**

هشتمین همایش ملی صنایع دریایی ایران (سال: 1385)

تعداد صفحات اصل مقاله: 9

**نویسندگان:**

(Hassan Ghassemi - Assis. Prof. (AUT

Valiollah Alizadeh - Naval Architect (MSc)-Marine Design and Research Center-SASAD

(Mesbah Sayehbani - Assis. Prof. (AUT

**خلاصه مقاله:**

Computational method has been developed to predict hydrodynamic performance on tractor AZIPOD (Azimpushing podded drive) system and compared with conventional propulsion (means propeller-rudder system) using a potential-based boundary element method. A MP195 propeller model with steering system (MR21 and SFP11) is used. Numerical results of pressure distributions on propeller, pod, strut/flap system and hydrodynamic performance of the system are presented. Comparison were made for the conventional system and AZIPOD system, so it is concluded that tractor AZIPOD has lower open water efficiency of the conventional one.

**کلمات کلیدی:**

Pressure distribution, Tractor type, Hydrodynamic performance

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