

Introduction

Bridging the Gulf of Alaska northern rockfish model from **ADMB** to **RTMB**. The **ADMB** program is in the process of an ‘orderly shutdown of development’ (see: [ADMB](#)) and **TMB** is a viable alternative for fishery stock assesment development. **RTMB** allows for using the native **R** interface to **TMB** (Template Model Builder) so models can be written entirely in **R** rather than **C++** (Kristensen 2024).

To compare model outputs last full model accepted by the SSC for northern rockfish [ADMB model 22.1](#) was evaluated. The **ADMB** code was transferred to **RTMB** code. Then the model was run using the parameter outputs from the **ADMB** model, direct differences between model outputs and percent difference of key components are presented.

All associated code is available

Kristensen, Kasper. 2024. *RTMB: 'R' Bindings for 'TMB'*. <https://github.com/kaskr/rtmb>.