In this work we extend the Nield-Koznetsov function and introduce a Ki(x) function that is useful in finding and expressing the solution to an inhomogeneous Airy's ODE with variable, general forcing function. This function reduces to the Scorer functions when the forcing function is + or - the inverse of pi.

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BVP Involving Inhomogeneous Airy's ODE with General Forcing Function

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T.L. Alderson, Professor M.S. Abu Zaytoon, PhD Candidate M.H. Hamdan, Professor (Presenter and Corresponding Author) ABSTRACT