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Abstract: The formal solution of certain simultaneous dual integral equations involving H -functions is obtained by the method of fractional integration. By the application of fractional integration operators, the given simultaneous equations are transformed into two others with a common kernel and the problem then reduces to that of solving one integral equation. In the first case the common kernel obtained is a symmetrical Fourier kernel given earlier by Fox and the solution then follows easily. In the second case the common kernel is a generalized Fourier kernel which has been recently studied by Fox.

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