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Inequalities Involving Multipliers For Multivalent Harmonic Functions

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Abstract: We introduce inequalities involving multipliers for complex-valued multivalent harmonic functions, using two sequences of positive real numbers. By specializing those sequences, we determine representation theorems, distortion bounds, integral convolutions, convex combinations and neighborhoods for such functions. The theorems presented, in many cases, confirm or generalize various well-known results for corresponding classes of multivalent or univalent harmonic functions.

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