NOTE: On a Numerical Method for Quasi-Conformal Grid Generation

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In this note we generate some quasi-conformal grids by using fast Fourier transforms and path integrals. Thus this method is rapid as opposed to other elliptic methods. In particular we generate such grids around airfoils. The method uses potential flow equations of fluid flow in the construction of these grids. We briefly discuss about embedding this method within a general framework. The main purpose of this note is to discuss this specific but fast method and generate the grids which may have practical applications. This note is not meant to be an exhaustive treatment on quasi-conformal grid generation and thus we do not discuss their applications here.

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