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        SIRICHAI ROMPOTANTONG : FOURIER TRANSFORMS AND THE   APPLICATION
IN ELECTROMAGNETRIC WAVE. INDEPENDENT STUDY ADVISOR :   ASSOC. PROF.
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        In this study, we present Fourier series, Fourier transforms and their applications
to the electric field that response from the ground. The conductivities of the ground are varied
continuously as an exponential function. The system of Maxwell's equations are used and solved
to get the time domain electric field.   The results can be plotted to show that the electric field rapidly
decreas as time increases.

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