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NOTE

The present thesis is submitted from Mr. Sayed Shaaban Refaie to the Faculty of Science, Ain Shams University in partial fulfillment for the requirements of Master of Science in Geophysics.

Beside the research work materialized in this thesis, the candidate attended and successfully passed post-graduate courses for one academic year in the following topics:

- 1- Elastic Wave Theory.*
- 2- Geophysical Interpretation.*
- 3- Seismic Data Processing.*
- 4- Seismic Data Filtering.*
- 5- Geophysical Field Measurements.*
- 6- Deep Seismic Sounding.*
- 7- Seismology.*
- 8- Seismic Engineering.*
- 9- Numerical Analysis and Computer Programming.*
- 10- English Language.*



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