

## Development of a Mathematical Model to Characterize the Oil Production in the Federal Republic of Nigeria Environment

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**Abstract :** The study deals with the development of a mathematical model to characterize the oil production in Nigeria. This is calculated by initiating the dynamics of oil production in million barrels revenue plan cost of oil production in million nairas and unit cost of production from 1974-1982 in the context of the federal Republic of Nigeria. This country export oil to other countries as well as importing specialized crude. The transport network from origin/destination to pairs is taking into account simulation runs, optimization have been considered in this study.

**Keywords :** mathematical oil model development dynamics, Nigeria, characterization barrels, dynamics of oil production

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