

Africa Calculate Engine is an Open Source Mathematics Engine and Open Educational Resource. The function is to provide Calculators, Open Textbooks, Scans, Steps and promote OpenStax, Rice University.

***Branches***

* ***Period:*** Alpha, Beta, Gamma, Delta
* ***Phase:*** Development, Test, Release Candidate, Stable Release

***Dependency Graph***

* ***Dart:*** Hypertext Transfer Protocol, Shelf
* ***Flutter:*** Animations, Camera, Dynamic Layouts, Flutter Adaptive Scaffold, Flutter Test, Go Router, Integration Test, Material Library, Uniform Resource Locator Launcher
* ***Go:*** Net
* ***Material Design Components:*** Adaptive Breakpoints, Adaptive Components, Adaptive Navigation

***Development Environment***

* ***Deployment:*** Docker, Istio, Knative, Minikube, Skaffold, Tekton
* ***Framework:*** Flutter
* ***Integrated Development Environments:*** Android Studio, JetBrains Fleet, Visual Studio Code
* ***Languages:*** Dart, Go
* ***License:*** Berkeley Software Distribution 3 - Clause License
* ***Version Control:***GitHub - https://github.com/AfricaTechnologies

***Features***

* ***Calculators:*** Algebra, Basic, Calculus, Lists, Matrices, Scans, Statistics, Steps, Trigonometry
* ***Open Textbooks:*** Algebra and Trigonometry Second Edition, Calculus Volumes 1 - 3, Pre - Algebra Second Edition, Statistics

***Material Design Components***

* ***Flutter Material Library:*** Card, Data Table, Navigation Drawer, Navigation Rail, Stepper, Tab Bar