



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
- **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