**Rodinia Benchmark Suite, version 3.1**

* Sites Rodinia:
  + <https://rodinia.cs.virginia.edu/doku.php>
* Programas selecionados

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| **Applications** | **Dwarves** | **Domains** | **Parallel Model** |
| [Kmeans](https://rodinia.cs.virginia.edu/doku.php?id=kmeans) | Dense Linear Algebra | Data Mining | CUDA, OMP, OCL |
| [Breadth-First Search](https://rodinia.cs.virginia.edu/doku.php?id=graph_traversal) | Graph Traversal | Graph Algorithms | CUDA, OMP, OCL |
| [k-Nearest Neighbors](https://rodinia.cs.virginia.edu/doku.php?id=k-nearest_neighbors) | Dense Linear Algebra | Data Mining | CUDA, OMP, OCL |

* Preparação do ambiente:
  + Verificação da existência de placa de GPU no laptop:
    - https://docs.nvidia.com/cuda/cuda-installation-guide-microsoft-windows/index.html
  + Instalação do cuda:
    - sudo apt update
    - sudo apt install build-essential
    - gcc --version
    - g++ --version
    - sudo apt install nvidia-cuda-toolkit nvidia-cuda-toolkit-gcc
    - nvcc –version
      * CUDA version 11.5 is installed on our Ubuntu machine.
  + nv
* Realizar o build de todos os benchmarks: