**CD++ Model Data Form**

**Title:** Hydraulic Fracturing using Lopez CellDEVS simulator

**Type:** Cell-DEVS Model

Acronym/Short name: HF

Purpose for which Developed: This model is developed towards implementing model that mimics the propagation of hydraulic fracturing in the near wellbore region. This model improves a Cell-DEVS model for hydraulic fracturing implemented by a previous students.

Date Developed/Implemented: 22 December 2017

Domain:

Current Version: 0

URL:

Description (including characteristics): The model adds porosity parameter in the computation of fracturing, includes more options for direction of propagation of the hydraulic fracture and adds stopping conditions for the fracture propagation. It is an improvement of simulation of the characteristics of a hydraulic fracturing event induced by a well-bore done by a student in the advanced real time simulation lab.

Links to Related Documents

Short Title:

URL:

Description:

Keywords:

Developer:

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| --- | --- |
| Name: Boi-Ukeme Joseph and Ngozi Silas Echegini | Acronym: |
| [e-mail] [josephboiukeme@cmail.carleton.ca](mailto:josephboiukeme@cmail.carleton.ca) [silasechegini@cmail.carleton.ca](mailto:silasechegini@cmail.carleton.ca) |  |
| Address 2: |  |
| City: Ottawa | Province/State-Country: Canada |
| Zip      - | Phone:    -   - |

Comments: