# **Catalogue-Agent-Assigner**

(CAA)



# Developer’s guide

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## History

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| --- | --- | --- | --- |
| Version | Facts | Date and description | Author |
| 0.1 | Concept | 2022-08-30 FCU | Cadmus |

20220907:

* Mathematical concept: from mid of Aug, 2022
* Concept drafting, basic architecture

## Version Rule

Version rule set 20200609

**A.B.C.D**

A: the big version. When A>1, it means the release to public version

B: the UI version, or large improvement version (including functionality).

B=3: solver interface (with lstm control window)

B=4: pre-processor

B=5: post-processor

B=6: Author’s information

C: major ML function version number:

C=8: ANN, RNN, LSTM, RL (Sarsa)

C=9: lstm pararrel

C=10

C=11: CALA with PCA and GP

C=12: CAGA (general GA)

C=14:CAGA/SG (super gene generator)

C=15: CAOL (ANN function)

D: small version

Improvement of the functions. It will be listed in the “History” part.

## Authors signature

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## Ch1. Theory

Theory of CAA

CAA

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## Ch2. Program Architecture

### Structure of CAA

CAYMAL code has been structure in following:

|  |
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|  |
| Fig. Structure of CAYMAL |