

PETRI MODULE 2016



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GRIF PETRI MODULE 2016

SUMMARY

- Add attributes in places and transitions
- Confidence range at 90%, 95% and 99%
- Dynamic transitions
- Option to decrease size of value-history
- Sequence generation
- New trigonometric function
- Calculation on 24 CPU and more
- SATODEV distributed computing



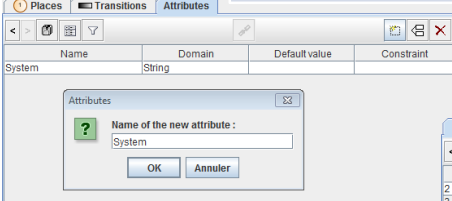
2

GRIF PETRI MODULE 2016

ADD ATTRIBUTES IN PLACES AND TRANSITIONS

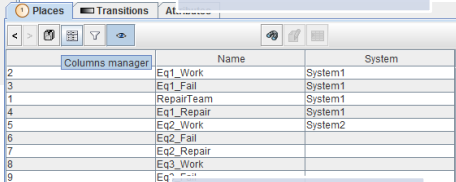
1

Create the attribute

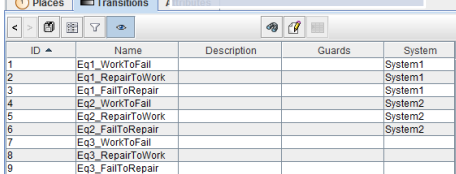


2

Fill in the **Attributes** column in place tab



Or in transitions tab

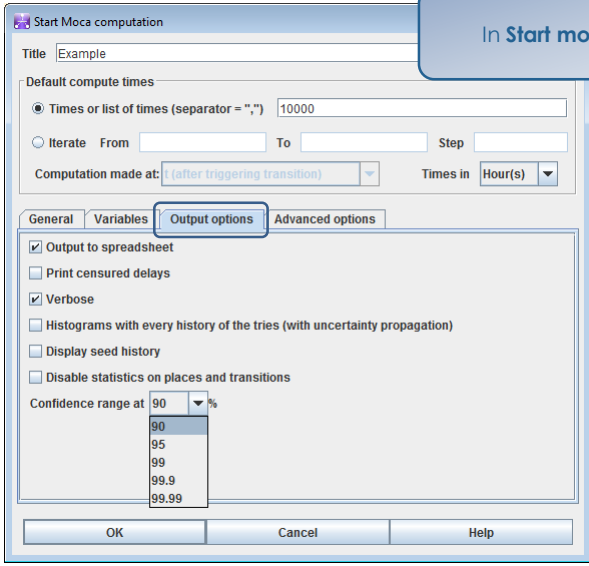


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GRIF PETRI MODULE 2016

CONFIDENCE RANGE AT 90%, 95% AND 99%

Start Moca computation

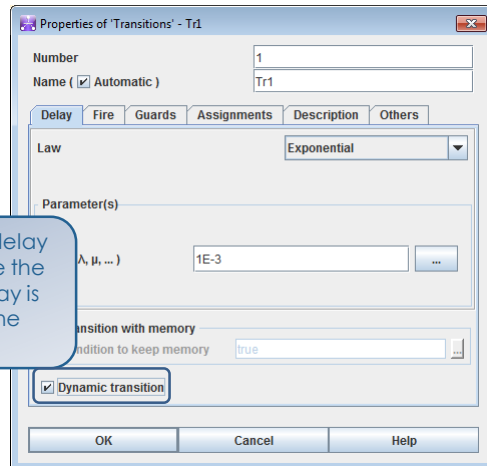


In **Start moca** menu

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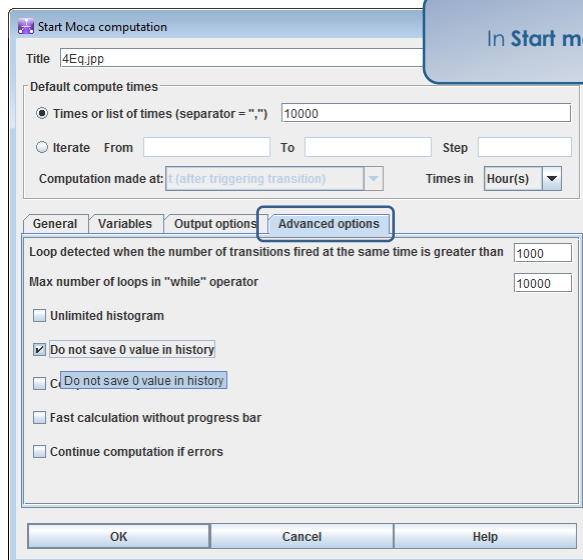
DYNAMIQUE TRANSITIONS

When a modification of the delay in a transition appears before the end of the delay, a new delay is calculated in function of the duration already spent



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OPTION TO NOT SAVE THE HISTORIC IF THE STAT VALUE IS 0



In Start moca menu



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SEQUENCES GENERATION

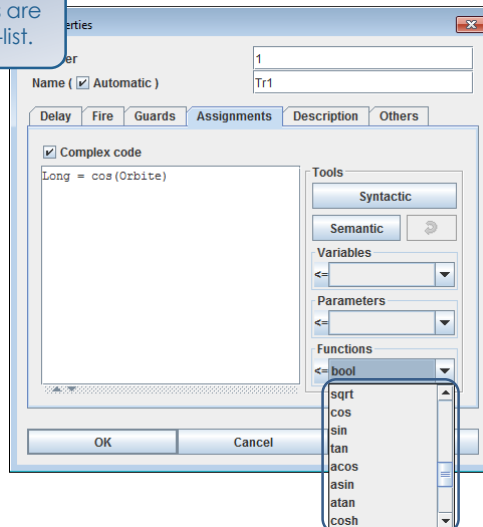
- Sequence generation consist in finding how to enter a specific state.
- It will provide a list of minimal sequence of transitions that lead to a specific state.
- The sequences will be sorting following the number of time a sequence happened.



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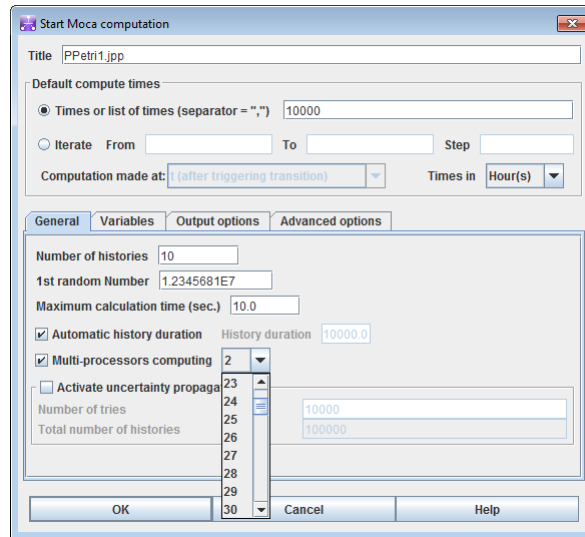
NEW TRIGONOMETRIC FUNCTION

Trigonometric functions are added in the function-list.



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CALCULATION ON 24 CPU AND MORE

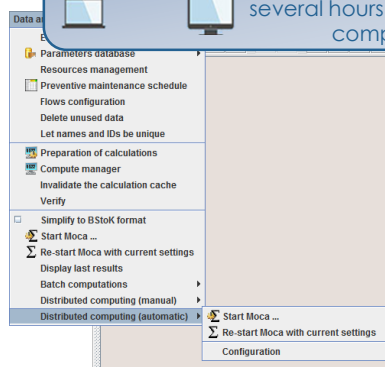


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DISTRIBUTED COMPUTING

Monte Carlo simulation can require considerable resources, particularly when simulating complex systems or searching for rare events

The "Moca-RP distributed computation" plugin allows you to spread computation over several available servers. A computation that would take several hours on one desktop computer can be completed in just a few minutes



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SATODEV DISTRIBUTED COMPUTING

● Prices:

Config1 ≈ 350€/month	<ul style="list-style-type: none"> • Intel® Xeon® E3 1230 v3 • 8 Threads * 3,3 Ghz • 32 GB DDR3
Config2 ≈ 560€/month	<ul style="list-style-type: none"> • 2x Intel® Xeon® E5 2620 v3 • 24 Threads * 2,4 Ghz • 128 GB DDR4
Config2 ≈ 700€/month	<ul style="list-style-type: none"> • 2x Intel® Xeon® E5 2640 v3 • 32 Threads * 2,6 Ghz • 192 GB DDR4

- Guaranteed performance + SATODEV servers + Other unused servers



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FIN



SATODEV
SAFETY TOOLS DEVELOPMENT

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