CONFERENCE ON GAME INNOVATIONS

REVIEW FORM

TITLE OF THE PAPER: PROCEDURAL FRACTAL PLANTS GENERATION

AUTHOR(S):   FILIP RYNKIEWICZ I IN.

TYPE OF PAPER

a) research paper (with original results)
b) case study
c) position paper
d) other (please specify)   ....

GENERAL EVALUATION

a) relevance to the Conference scope

> EXCELLENT, GOOD, FAIR, QUESTIONABLE, OUT OF SCOPE

b) originality

> EXCEPTIONAL, MAJOR, GOOD, QUESTIONABLE, PREVIOUSLY PUBLISHED

c) significance; usefulness

> EXCEPTIONAL, MAJOR, GOOD, MINOR, NONE

d) reference to the related literature

> THOROUGH, CORRECT, AMENDABLE, POOR, UNSUITABLE

e) presentation and paper organization

> CLEAR & CONSISTENT, READABLE, AMENDABLE, ENIGMATIC, UNREADABLE

TECHNICAL SOUNDNESS

a) Technically correct (after careful check)
b) Apparently correct (after superficial check)
c) Minor errors   (please indicate them)
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d) <u>Major errors</u>   (please indicate them)
1) introduction does not finish with a clear problem statement and authors' contribution
2) Proceduralness appears only in a head of chapter ("*procedural systems*") but it was not introduced earlier and no relation between L-systems and fractals and procedural approach was explained.
3) chapter dedicated to Bezier curves is not necessary as it provides well known theory, moreover it in fact describes the extension of Bezier curves – B-splines
4) chapter "Methods" does not reveal of what type of methods authors think. Additionally "Methods" chapter starts with implementation issues. This must be corrected (rewrited) as method chapter should be separated from implementation issues.
5) examples should appear after some introduction concerning experiments background
6) "Reference" chapter is not acceptable at all as it does not satisfy any bibliography rules, moreover not all of the literature positions are cited in the manuscript
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e) Unsupported claims (please provide a detailed explanation):
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LINGUISTIC QUALITY

a) very good b) acceptable (minor errors as indicated) c) <u>needs thorough correction</u>

Comments:
"*simple characterize in mathematics*", "*motivation of this topic*", "*produce way to procedural modelling*", "*and it is made in few seconds*", "*Most of the algorithms to create 3D tree mesh are*", "*because of complexity of plants as fractals*", "*L-system is all about changing one string to another based on rules*", "*which simply adding a line*", "*description of parameter, its definition as float and name of object*", "*it's mean*", "*each result of implemented algorithm*", "*world world forming tree have*"" sound a bit weird.
Some spelling/grammar mistakes happen, i.e.: "*variaty os usage*", "*L-system create(s)*", "*turtle have (has)*", "*changes was(were) made*", "*all the example(s)*", "*two rule(s)*", "*branch in tree have(has) been*", "*example have(has)*", "*make model looks like*", "*all string(s)*"
Statement "in figure" is probably more appropriate than "at figure"
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FINAL RECOMMENDATION

a) **ACCEPT**   (editorial changes necessary as point)
b) **ACCEPT WITH MAJOR CHANGES**   (needs substantial changes and re-review)
c) **REJECT**   (unsuitable to publish in CGI proceedings)
d) **OUT OF SCOPE**   (should be re-directed to another journal)

For choice "ACCEPT" please indicate typos and/or suggested changes

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For choice "ACCEPT WITH MAJOR CHANGES" please indicate what need to be revised:

1) In abstract statement concerning "imitating nature" in the context of mathematics should be rather replaced with "modelling nature"
2) The theory "*that every plant can be treated as a very complex fractal*" is not proved and in my opinion controversial
3) In 2.1 chapter the definition of "*letter*" and "*its context*" were not introduced
4) In section 2.3 the provided equation was neither discussed in the text nor its symbols were defined
5) The review is inconsistent: chapters 2.1 and 2.2 provide rules and examples while 2.3 and 2.4 don't
6) "can write application in C# using Mono" is not understandable - what "Mono" means?
7) What does "structure" in statement "L-System was implemented with couple of simple structures" mean?
8) What do "quaternion and position" and "description of parameter, its definition as float and name of object" really mean
9) Figure 3 has caption "ddd" – what does it mean?
10) Sentence "*We can move our work to machine and automatize process of modelling, using simple parametrized mathematical equations, without even knowing how the modelling software works*" seems to be controversial as understanding of the technique let the user consciously operate with the software

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For choice "REJECT" please indicate the reason(s):

1) reject because it is not relevant to *CGI Proceedings*
2) reject because of the presentation

3) reject because the content is too premature
4) reject because of lack of originality (results already known; similar overview already
    published, etc.)
5) reject because of major errors (please indicate them)

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For choice d) please propose journal(s) for which the paper would be more suitable

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BLIND COMMENTS - VISIBLE FOR THE AUTHOR(S)

The sentences are evidently too long and grammatically not perfect

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