BUKTI KORESPONDENSI PUBLIKASI INTERNASIONAL

Intersection Cylindrical Feature Recognition Algorithm for Counterbore and Countersink Geometry Application. Herman Budi Harja dkk.

2021 International Electronics Symposium (IES). Publish On line 29 September 2021.

DOI: 10.1109/IES53407.2021.9594026

Submission Paper dan adding author.

[IES 2021] Information about paper #1570750977 (Intersection Cylindrical Feature Recognition Algorithm for Counterbore and Countersink Geometry Application) has been changed 31 July, 2021 21:18

From: EDAS Conference Manager On Behalf Of: IES 2021 (ies@pens.ac.id)

To: Yogi Muldani Hendrawan

Cc: Rian Muttaqin | Andri Pratama | Herman Budi Harja | M. Udin Harun Al Rasyid | Idris Winarno

Reply To: IES 2021

Dear Mr. Yogi Hendrawan:

Information about your paper #1570750977 ('Intersection Cylindrical Feature Recognition Algorithm for Counterbore and Countersink Geometry Application') for IES 2021 was changed by Yogi Muldani Hendrawan ():

Abstract: This paper proposed an algorithm to recognize intersection cylindrical feature, especially counterbore and countersink geometry. The proposed algorithm analyzes 3D solid drawing in term STEP format to find intersection cylindrical feature based on a specific properties of counterbore and countersink geometry. The proposed algorithms was verified experimentally by implementing to holes inspector (HECTOR) software. A 3D product model with five different hole was designed to validate the proposed algorithm. according to the experiment result, counterbore and countersink on the 3D specimen product is properly recognized by the proposed algorithm.

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Reply To: IES 2021

Dear Mr. Yogi Hendrawan:

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Herman Budi Harja added as author

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Reply To: IES 2021

Dear Mr. Yogi Hendrawan:

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Notifikasi Accepted dan Inputan Reviewer

[IES 2021] Congratulation Your paper #1570750977 ('Intersection Cylindrical Feature Recognition Algorithm for Counterbore and Countersink Geometry Application') - Accepted 16 August, 2021 22:06

From: EDAS Conference Manager On Behalf Of: IES 2021 (ies@pens.ac.id)

To: Yogi Muldani Hendrawan | Rian Muttaqin | Andri Pratama | Herman Budi Harja | M. Udin Harun Al Rasyid | Idris Winarno

Reply To: IES 2021

Dear Mr. Yogi Hendrawan:

Congratulations - We are pleased to inform you that your manuscript #1570750977 ('Intersection Cylindrical Feature Recognition Algorithm for Counterbore and Countersink Geometry Application') has now been ACCEPTED by 2021 International Electronics Symposium (IES).

The evaluation of your paper and all comments from reviewers of your paper are enclosed to this message.

The reviews are below or can be found at https://edas.info/showPaper.php?m=1570750977 using your EDAS login name y159106@edu.tut.ac.jp.
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We, IES 2021 organizer, are now planning the detail program and will inform you in coming weeks the information related to IES 2021

We are looking forward to seeing you in Surabaya-Indonesia on September 29-30, 2021.

Sincerely Yours,

Regards,
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======= Review 1 =======

> *** Originality: Uniqueness and originality in the presented paper
Average (3)

> *** Literature: Adequacy of references to literature
Good (4)

> *** Technical Discussion: Technical Discussion
Average (3)

> *** Contribution: Potential impact and contribution
Good (4)

> *** Comment to Author: e.g. Major reasons of your overall recommendation

This paper implement a Intersection Cylindrical Feature Recognition Algorithm for Counterbore and Countersink
Geometry Application

1. The authors need to add analysis and discussion of the experimental result to confirm performance of the algorithm that proposed. The experimental result can present as the table or graph.
2. The authors need to highlight the uniqueness and contribution of the proposed method and do comparison with other related previous works/research
3. The author must ensure how to write the author's name and affiliation (especially from the same affiliation)

======= Review 2 =======

> *** Originality: Uniqueness and originality in the presented paper
Good (4)

> *** Literature: Adequacy of references to literature
Good (4)

> *** Technical Discussion: Technical Discussion
Good (4)

> *** Contribution: Potential impact and contribution
Good (4)

> *** Comment to Author: e.g. Major reasons of your overall recommendation

The authors proposed an algorithm to recognize intersection cylindrical features, especially counterbore and counter-sink geometry.
The author can write the algorithm instead of the flowchart in fig 6 and 7.

Notifikasi Revised naskah publikasi

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Reply To: IES 2021

Dear Mr. Yogi Hendrawan:

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Author(s): Mr. Yogi Muldani Hendrawan, Mr. Rian Muttaqin, Mr. Andri Pratama, Mr. Herman Budi Harja, Dr.
M. Udin Harun Al Rasyid and Dr. Idris Winarno
Author E-mail: y159106@edu.tut.ac.jp, rianmuttaqin14@gmail.com, pratama@polman-bandung.ac.id,
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From: EDAS Conference Manager On Behalf Of: IES 2021 (ies@pens.ac.id)

To: Herman Budi Harja

Reply To: IES 2021

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Dear Mr. Herman Budi Harja:

Thank you very much for your participation in IES 2021.
We would like to inform that the proceedings of IES 2021 have been published in IEEE Xplore Digital
Library effective November 8, 2021.
Here is the link:
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Thank you for your attention.
Best Regards,
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Intersection Cylindrical Feature Recognition Algorithm for Counterbore and Countersink Geometry Application

Publisher: IEEE

Yogi Muldani Hendrawan ; Rian Muttaqin ; Andri Pratama ; Herman Budi Harja ; Muhammad Udin Harun Al Rasyid ; Idri... All Authors

Abstract

Document Sections

I. Introduction

II. Intersection Cylindrical Feature Definition

III. Intersection Cylindrical Feature Recognition Algorithms

IV. Experiment

V. Conclusion

Authors

Figures

References

Citations

Abstract:
This paper proposed an algorithm to recognize intersection cylindrical feature, especially counterbore and countersink geometry. The proposed algorithm analyzes 3D solid drawing in term STEP format to find intersection cylindrical feature based on a specific properties of counterbore and countersink geometry. The proposed algorithms was verified experimentally by implementing to holes inspector (HECTOR) software. A 3D product model with five different hole was designed to validate the proposed algorithm. according to the experiment result, counterbore and countersink on the 3D specimen product is properly recognized by the proposed algorithm.

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Conference Location: Surabaya, Indonesia

I. Introduction

In manufacturing area, production time is an important aspect to survive in industry 4.0 era. The automation in manufacturing process is needed to reduce production time. Measuring and inspection technologies play a key role to construct a Smart Factory. Computer Aided Inspection Planning (CAIP) and On-Machine Measurement (OMM) are the technology to build automation in inspection process [2]. OMM can be integrated with CNC machines which is choosen to produce high precision components [3].