### **Accepted Manuscript**

Towards an ontology-supported case-based reasoning approach for computer-aided tolerance specification

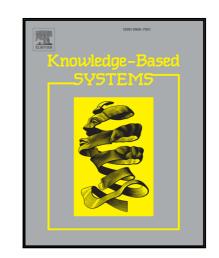
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#### ACCEPTED MANUSCRIPT

## **Highlights**

- Design an ontology-supported case-based reasoning framework for tolerance specification.
- Construct a tolerance specification ontology to represent tolerance specification cases.
- Present a mechanism to quantify the similarities of the distinctive attributes of two cases.
- Present a procedure to establish a similarity measure with high accuracy for case retrieval.
- Develop a prototype system to verify the application of the proposed approach in practice.



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