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A Generalized Abstract Argumentation Framework for
Inconsistency-tolerant Ontology Reasoning

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Highlights

- A general model of argumentation for adapting to different representation languages.
- Dung's standard semantics are adapted for the reasoning machinery.
- An instantiation into ALC DLs shows its flexibility for ontology reasoning.
- A detailed study is performed on the matter of argumentation rationality.
- Argumentation postulates ensure the well behaviour of an instantiated system.

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