

# Title

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The paper reports the development and application of an SPH based simulation towards ... flows/structures/.... The study is motivated by the traditional difficulties of SPH approaches to mimic .... [1]. The **novelty** of the present approach refers to ... The employed method thereby aims to model the influence of ... on a more rational and accurate basis which can be crucial to the attainable overall accuracy. The proposed method will be **applicable** to ... The **impact** of the proposed work will be ...

The evolution of particles is obtained from an SPH-integration of the ... equations using ... . The present ... model has been implemented into the ... SPH code ... [2].

Validation studies refer to the ... experiments published by [3] and the ... of ... et al. [4]. **Results** obtained from the present approach reveal ... over conventional techniques and show ... predictive agreement with experimental data as indicated by Figure 1. Reported applications of the final paper are concerned with ... and .... which are of significance for .... **Results** of the study allow to conclude ...

*Figure 1 Comparison of experimental and numerical data ... [...].*

## References

[1] ...

[2] ...