

VI. CONCLUSION

In this paper, we bring a new insight of musical shape evaluation into MPA. Musical shape evaluation is a bridge to link the human perception with music's intrinsic properties, which addresses the shortage of existing MPA framework. A new architecture S-ResNN is proposed for musical shape evaluation, where a new dataset is also built as an extra outcome. Comprehensive experiments have shown our method outperforms not only conventional benchmarking approaches but also several deep learning models. In future work, we plan to further improve and validate our model on wider application scenarios, where the current dataset will be extended to include increased categories of music scores and musical shapes. Furthermore, some open-source tools such as MusicXML and MusPy [31] can be used to adjust the time and dynamics to various levels that are sometimes hardly performed manually.

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