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A multimodal architecture with shared encoder that uses spectrograms for

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1 Problem definition

Multimodal learning aims to create models that process and relate information from multiple modarities. Prior works such as (Badd et al., 2023) provide architectures that have one encoder talls. Prior works such as (Badd et al., 2023) provide architectures that have one encoder talls through the production of the probability. It is a considered providing but the performance of united models by anture which limits the performance of united models by anture which providing butter synergy between modarities compared to architectures that use separate encoders. Although (Li et al., 2022) propose on which are providing butter synergy between modarities compared to architectures that use separate encoders. Although (Li et al., 2022) propose on which are provided architecture that features as durated encoder for audior proposed to the proposed to the contribution of the proposed to the proposed to the contribution of the proposed to the proposed to the contribution of the

2 Problem relevance

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Multimodal fusion is critical for developing artificial agents that can jointly understand the verbal, non-verbal and contextual cues present in human communication. By aligning multimodal features better, the proposed architectures would be able to implicitly openits these causes that a early manifestive contextual cues to the contextual cues of the proposed architectures would be able to implicately openits these causes that are why manifestive context the context of the co

- such as jealousy or empathy.

 3. Datasets

 We propose utilizing the Crowd Sourced Emotional Multimoid Actors Dataset (CREMA-D)

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