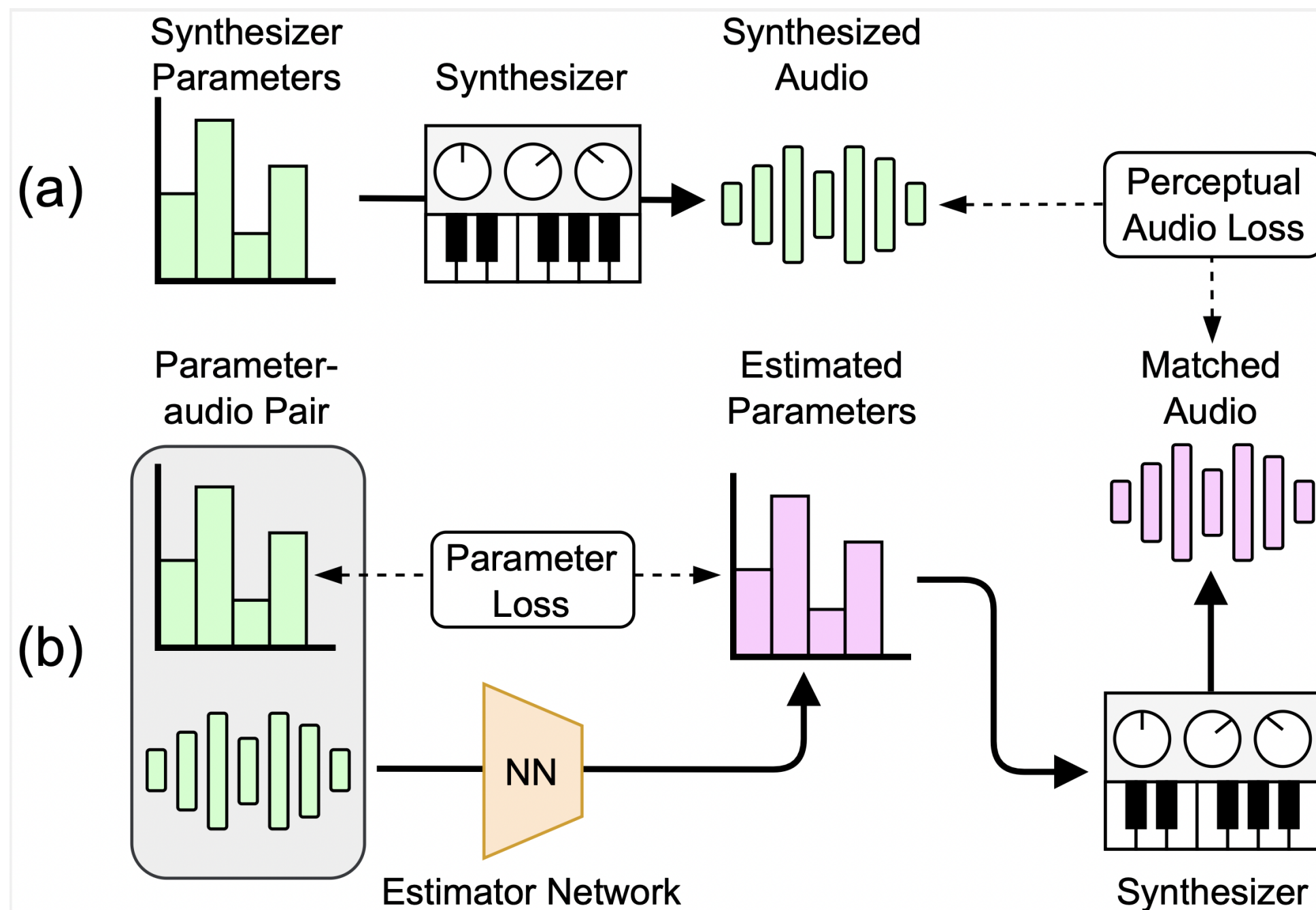


Deep Learning for Time-varying Audio and Parameter Modulations

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Finding

Time-varying audio effects and synthesizers can be modeled effectively end-to-end via gradient descent by first extracting parameter modulation signals.

Question

Can a theoretical framework and differentiable loss functions be developed that improve the modeling of time-varying audio systems?