

Model-Structured Neural Networks to Model & Control Robots

Mattia Piccinini, Aniello Mungiello, Johannes Betz, Gastone Pietro Rosati Papini

EMBED PRIOR KNOWLEDGE IN NEURAL NETWORKS

- **Neuralize** physics-based models with custom neural blocks
- Preserve **fundamental laws** (e.g. superposition of forces)
- Enhanced **interpretability** and **generalization** with small training sets

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modely
neuralize your model

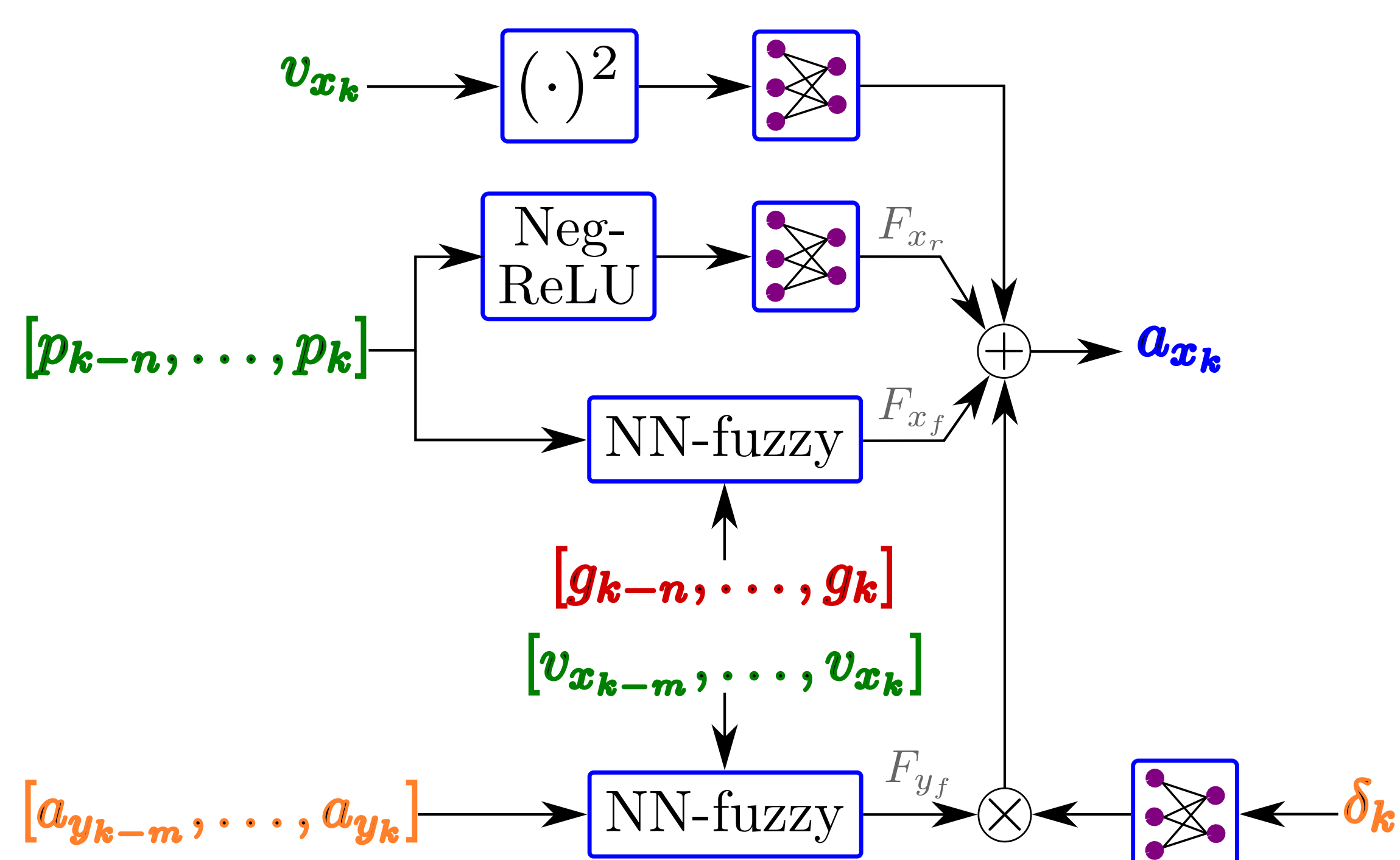
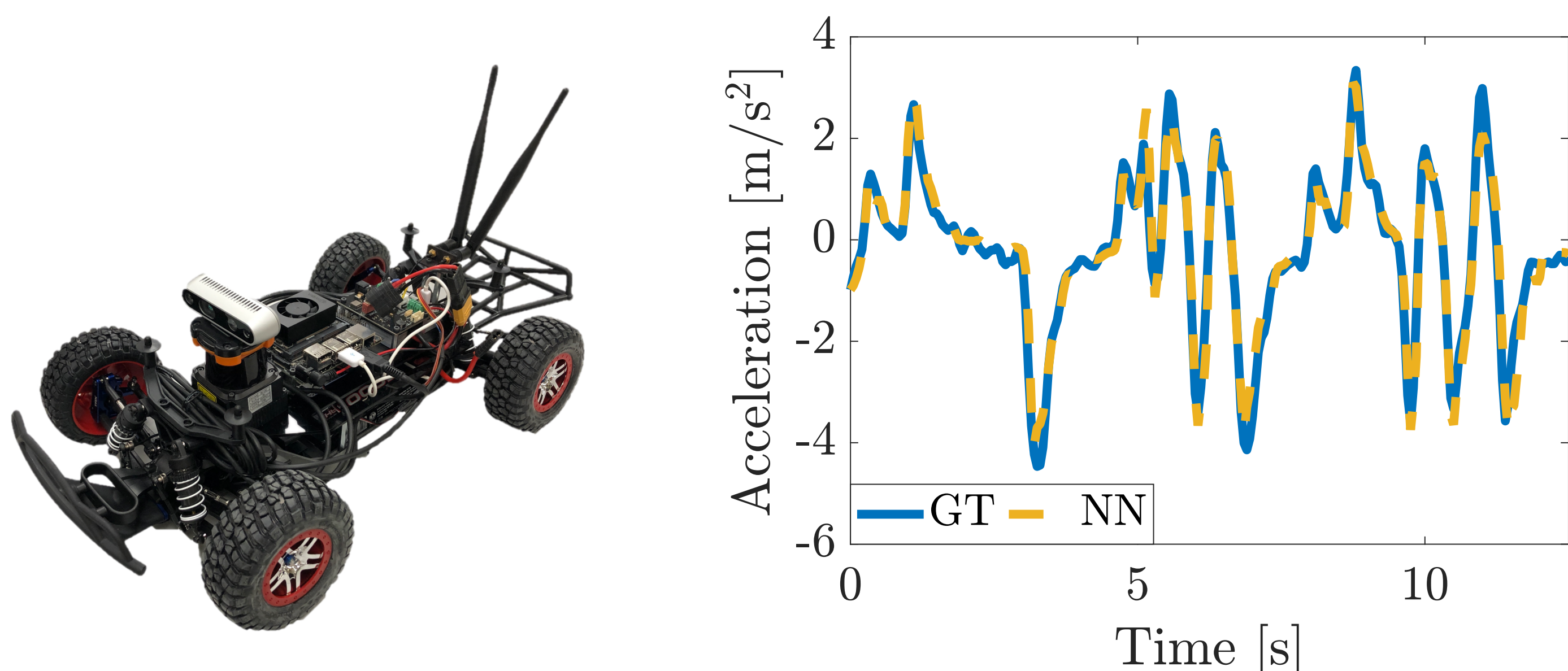


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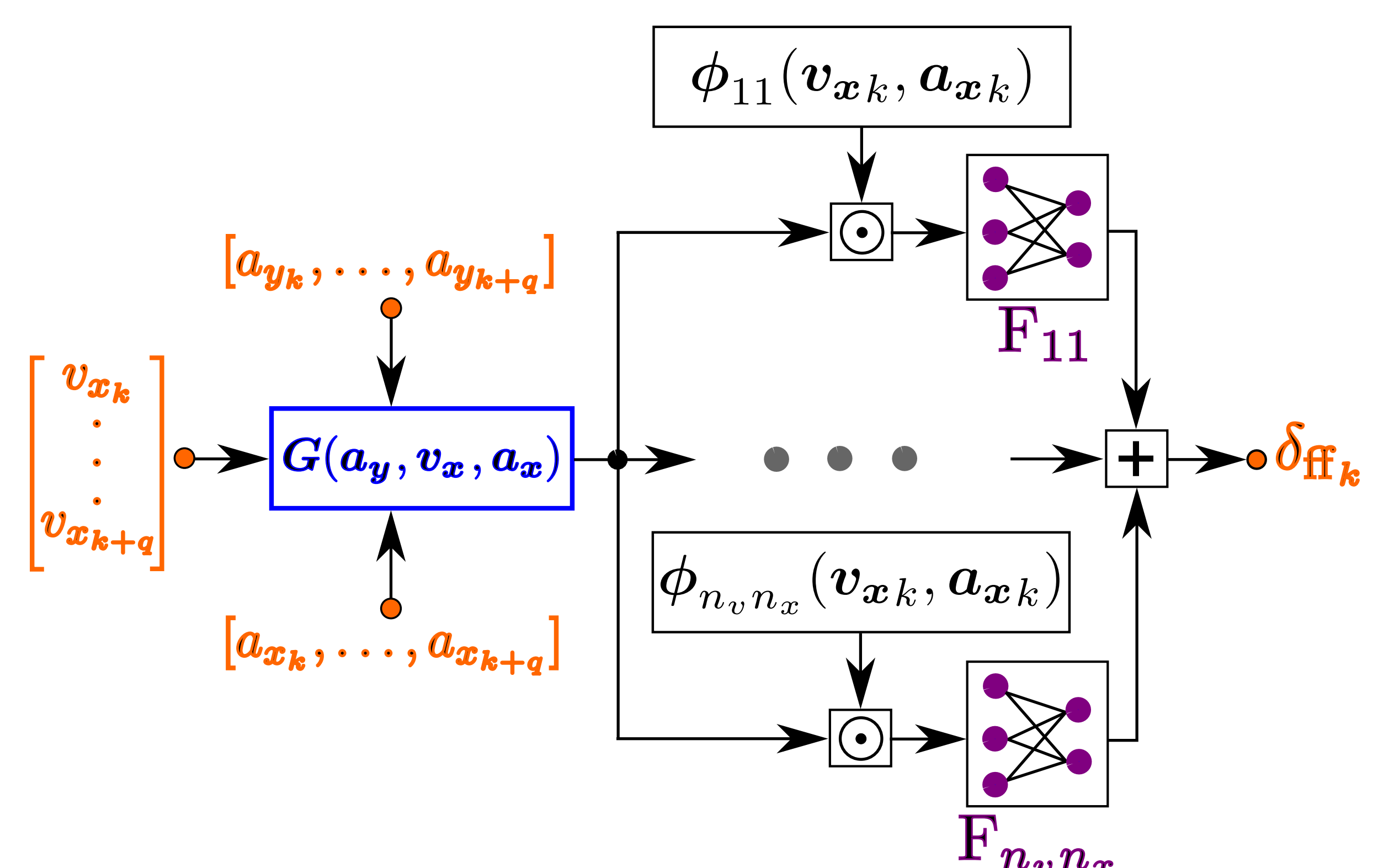
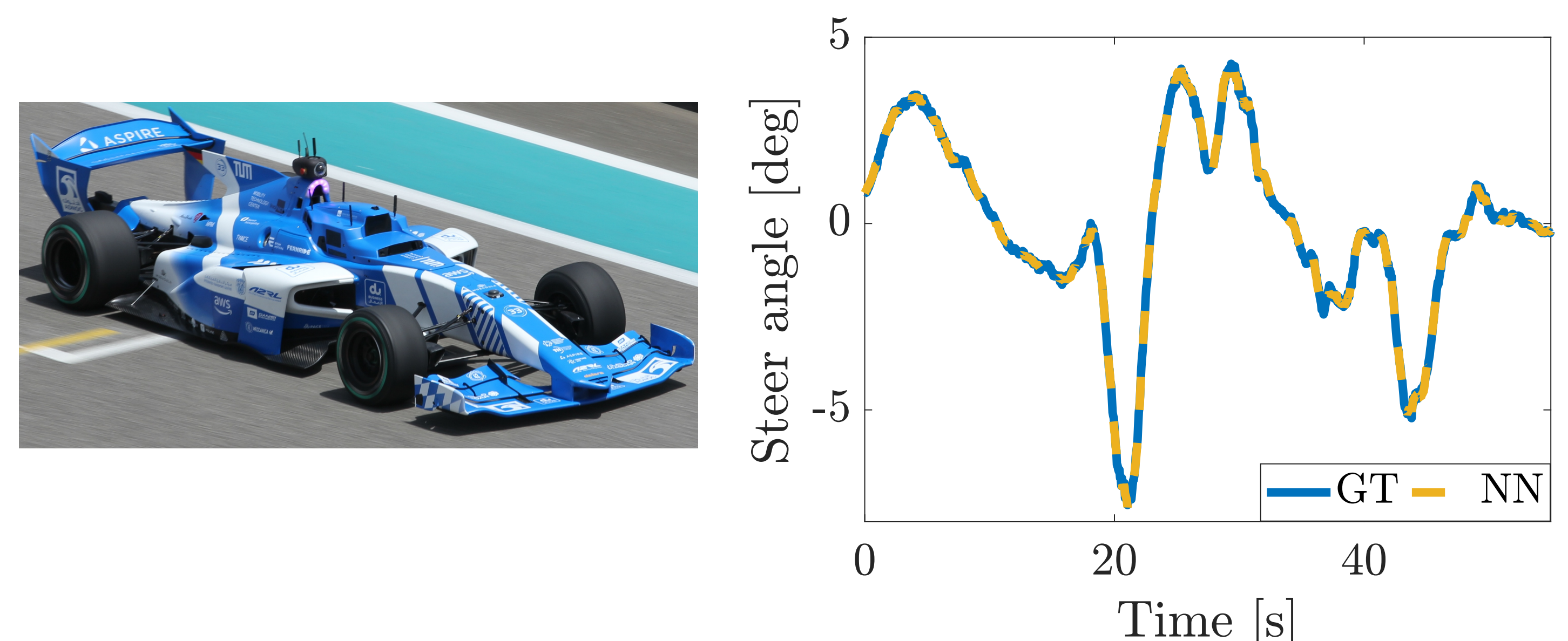
Rapid-prototyping of model-structured NNs

APPLICATION EXAMPLES

Longitudinal dynam. (RoboRacer)



Steering control (A2RL)



Let's apply it to *your* problem!