From One To Many: Checking A Set Of Models

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October 4, 2017

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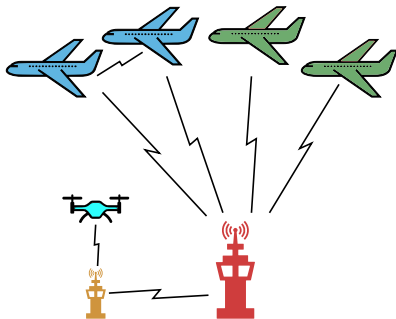
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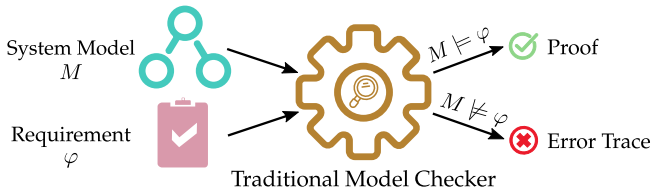
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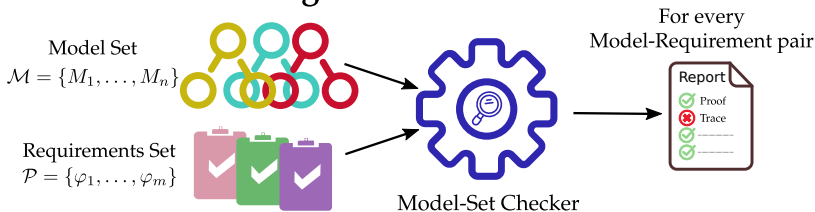
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Lift **traditional model checking**

System Model
M

Requirement
φ

$M \models \varphi$ Proof

$M \not\models \varphi$ Error Trace

Traditional Model Checker

to **model-set checking**.

Model Set
$\mathcal{M} = \{M_1, \ldots, M_n\}$

Requirements Set
$\mathcal{P} = \{\varphi_1, \ldots, \varphi_m\}$

Model-Set Checker

For every
Model-Requirement pair

Report
Proof
Trace