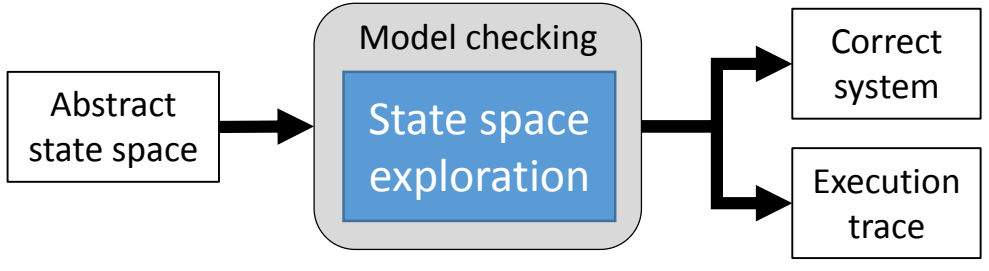


Abstract  
state space



```
graph LR; A[Abstract state space] --> B[Model checking<br/>State space exploration]; B --> C[Correct system]; B --> D[Execution trace];
```

The diagram illustrates the model checking process. It begins with an 'Abstract state space' box on the left, which points via a thick black arrow to a central 'Model checking' container. This container has a light gray background and rounded corners, and it contains a blue rectangle labeled 'State space exploration'. From the right side of the 'Model checking' container, a thick black arrow splits into two paths. The upper path leads to a 'Correct system' box, and the lower path leads to an 'Execution trace' box. All boxes have black outlines and white text.

Model checking

State space  
exploration

Correct  
system

Execution  
trace