

Table 1: Subject Systems

Subject System	# Features	# Variants	# Components	Σ TA Locations	Σ TA Switches	# PTA Locations	# PTA Switches	Description
TGC	2	2	3	24	12	12	12	A simple level crossing [1].
ETGC	5	6	3	174	42	29	42	A version of TGC extended by three additional features.
GC	7	24	5	1584	66	66	83	Component of the control system operating in a modern vehicle [4].
CA	8	40	10	1960	80	49	82	Models communication among users using an Ethernet-like medium [3].
AVC	9	56	5	2072	65	37	65	A messaging protocol for communication between AV components [2].

REFERENCES

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- [3] Henrik Ejersbo Jensen, Kim G. Larsen, and Arne Skou. 1996. Modelling and analysis of a collision avoidance protocol using Spin and Uppaal. In *DIMACS'96*.
- [4] Magnus Lindahl, Paul Pettersson, and Wang Yi. 2001. Formal design and analysis of a gear controller. *STTT* 3, 3 (2001), 353–368.