

Table 1: Subject Systems

Subject System	# Features	# Variants	# Components	$\sum$ TA Locations	$\sum$ 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

- [1] R. Alur, T. A. Henzinger, and M. Y. Vardi. Parametric Real-time Reasoning. In *STOC'93*, pages 592–601. ACM, 1993.
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- [3] H. E. Jensen, K. G. Larsen, and A. Skou. Modelling and analysis of a collision avoidance protocol using spin and uppaal. In *DIMACS'96*, 1996.
- [4] M. Lindahl, P. Pettersson, and W. Yi. Formal design and analysis of a gear controller. *STTT*, 3(3):353–368, 2001.