Objective Archive Management
NSGA3 partition results

Hypervolume, spread, and non-dominated size of the solution sets found using different partition sizes with the Das-Dennis approach in NSGA3. The population size was kept at 1000. This means that for the 10 objective problems, the number of reference vectors was larger than the population size, which could affect NSGA-III's performance.

		# Part.	3	4	6	9
DTLZ5	**5**	**Size**	12	30	45	131
		HV	0.999	0.999	0.999	0.999
		Spread	0.023	0.028	0.027	0.030
	10	**Size**	126	250	506	1236
		HV	0.999	0.999	0.999	0.995
		Spread	0.052	0.053	0.049	0.067
DTLZ6	**5**	**Size**	35	70	210	680
		HV	0.999	0.999	0.999	0.999
		Spread	0.141	0.143	0.143	0.149
	10	**Size**	220	714	1435	1649
		HV	0.999	0.999	0.998	0.997
		Spread	0.23	0.231	0.243	0.243
WFG3	**5**	**Size**	31	53	79	174
		HV	0.863	0.869	0.897	0.892
		Spread	0.457	0.542	0.468	0.533
	10	**Size**	42	75	173	653
		HV	0.129	0.168	0.270	0.136
		Spread	0.738	0.887	1.822	0.891
WFG7	**5**	**Size**	35	70	210	710
		HV	0.557	0.611	0.654	0.662
		Spread	1.859	1.86	1.862	1.871
	10	**Size**	220	715	1371	1622
		HV	0.410	0.466	0.413	0.368
		Spread	3.844	3.856	3.753	3.504