

Red	Orange	Yellow	Yellow	Red
Yellow	Yellow	Yellow	Yellow	Yellow
Yellow	Yellow	Yellow	Yellow	Yellow
Yellow	Yellow	Yellow	Yellow	Yellow
Yellow	Yellow	Yellow	Yellow	Yellow
Yellow	Yellow	Yellow	Yellow	Yellow

Red	Orange	Orange	Yellow	Orange
Orange	Yellow	Yellow	Yellow	Yellow
Yellow	Yellow	Yellow	Yellow	Yellow
Yellow	Yellow	Yellow	Yellow	Yellow
Yellow	Yellow	Yellow	Yellow	Orange

Orange	Light Orange	Yellow	Light Yellow	Dark Red
Light Orange	Yellow	Light Yellow	Dark Red	Orange
Yellow	Light Yellow	Dark Red	Orange	Light Orange
Light Yellow	Dark Red	Orange	Light Orange	Yellow
Dark Red	Orange	Light Orange	Yellow	Light Yellow

Orange	Orange	Orange	Yellow	Dark Red
Yellow	Yellow	Yellow	Yellow	Yellow
Yellow	Yellow	Yellow	Yellow	Yellow
Orange	Yellow	Yellow	Yellow	Yellow
Orange	Yellow	Yellow	Yellow	Orange

Orange	Light Orange	Yellow	Light Yellow	Red
Yellow	Light Yellow	Yellow	Light Yellow	Yellow
Yellow	Light Yellow	Yellow	Light Yellow	Yellow
Yellow	Light Yellow	Yellow	Light Yellow	Yellow
Yellow	Light Yellow	Yellow	Light Yellow	Yellow
Yellow	Light Yellow	Yellow	Light Yellow	Yellow

		Framework	PGAS	DSL	LL comm	No investigation
Q22*:MPI+X	OMP	0	0.86	1.7	2.6	3.4
	Pthread	4.3	5.1	6	6.9	7.7
	OCL	8.6	9.4	10	11	12
	CUDA	13	14	15	15	16
	No	17	18	19	20	21