Dhrystone 2.1 measurements

The program was compiled in four versions, differing in the CPU it was generated for:

Compiler option	Compiled program
m68000	dhry21
m68020-60	dhry2120
m68030	dhry2130
mcpu=5745	dhry21cf

Code compiled by GCC 4.6.4 (see Note 1 below)

	Dhrystones/second				Equivalent VAX 11/780 MIPS			
System	**dhry21**	**dhry2120**	**dhry2130**	**dhry21cf**	**dhry21**	**dhry2120**	**dhry2130**	**dhry21cf**
Aranym/AMD Athlon 64 3200+	60000	66000	65000	-	39	43	42	-
Aranym-JIT/AMD Athlon 64 3200+	903000	920000	896000	-	586	597	582	-
Atari 1040	1400	-	-	-	0.9	-	-	-
Atari Falcon	2300	Note 2	Note 2	-	1.5	-	-	-
Atari TT (ST RAM)	4200	4500	4700	-	2.7	2.9	3.1	-
Atari TT (TT RAM)	6600	7100	7400	-	4.3	4.6	4.8	-
CT60 @ 66 MHz (ST RAM)	13300	14100	13800	-	8.6	9.2	9.0	-
CT60 @ 66 MHz (TT RAM)	102000	110000	107000	-	66	71	69	-
FireBee (EmuTOS, ST RAM)	-	-	-	476000	-	-	-	309
FireBee (EmuTOS, TT RAM)	-	-	-	480000	-	-	-	312
FireBee (FireTOS, ST RAM)	52000	Note 3	Note 3	136000	34	-	-	88
FireBee (FireTOS, TT RAM)	66000	Note 3	Note 3	466000	43	-	-	303

For comparison:

VAX11/780 (said to be 1 MIPS) 1540 Dhrystones/second

Notes

1. The compiler is Vincent Riviere's port of GCC 4.6.4; the code was compiled with -O2 -fomit-frame-pointer
2. The compiled program requires a 68881; my Falcon does not have one
3. Program crashes during startup for unknown reason

4. August 2015: added Aranym-JIT