









	XGXS	XFI	scrambler	PCIE	T2 et- hernet
Line number of verilog source code	214	466	24	1139	1073
#regs	15	135	58	22	48
Data path width	8	64	66	10	10

	XGXS	XFI	scra-	PCIE	T2 et-
			mbler		hernet
run time	0.51	71.60	2.51	32.74	44.48
(seconds)					
d	1	0	0	2	4
p	0	3	1	1	0
l	1	2	2	1	1

		XGXS	XFI	scra-	PCIE	T2 et-
				mbler		hernet
BFL	time(s)	32.67	time	8.56	time	time
only			out		out	out
BFL	time(s)	1.52	2939.47	11.97	47.55	36.64
+	$ F_E $	25470	5084496	499200	52209	459204
XORMIN	#SAT	984	137216	8320	528	1032
BFL+	time(s)	1.08	752.83	1.84	0.82	27.08
XORMIN	$ F_E^v $	6694	188717	4807	6635	51204
+UNSAT	#SAT	480	16828	256	243	538

	XGXS	XFI	scrambler	PCIE	T2 et-
					hernet
hand-written	913	4886	1514	952	2225
decoders					
decoders built	667	15269	1302	344	661
by Shen[6]					
decoders built	652	16659	1302	345	569
by our algorithm					

	XGXS	XFI	scrambler	PCIE	T2 et-
					hernet
hand-written	12.33	46.65	6.54	19.03	23.36
decoders					
decoders built	13.23	58.73	6.54	8.07	17.07
by our algorithm					