





benchmark results

for array-extra



application




	runs / second	goodness of fit
curry		
lambda, fully applied	296,827 	98.63%
lambda, piping	294,959 	98.6%
name only	291,986 	98.6%
lambda nested, fully applied	180,654 	99.02%
partially curried/applied	139,906 	98.94%
chain		
lambda, > >	383,227 	96.71%
declaration argument, > >	319,845 	98.68%
lambda, > >>	255,847 	98.53%
>>	162,417 	97.99%

Array



	runs / second	goodness of fit
Array.fold		
foldl	296,576 	97.86%
foldr	296,130 	98.53%

Array.Extra


	runs / second	goodness of fit
mapToList		
with foldr	199,633 	98.78%
with Array.toIndexedList	86,518 	97.92%





	runs / second	goodness of fit
indexedMapToList		
with Array.indexedMap	140,525 	97.3%
with Array.foldr	127,209 	97.84%
with toIndexedList	60,120 	98.66%
with List.indexedMap	50,428 	98.45%





	runs / second	goodness of fit
reverse		
with Array.foldl to list	133,425 	98.11%
with List.reverse	79,803 	98.69%
with Array.foldr to array	28,269 	98.78%


	runs / second	goodness of fit
unzip		
with Array.maps	178,272 	97.07%
with List.unzip	51,762 	98.58%
with foldl to Arrays	14,042 	98.17%





	runs / second	goodness of fit
map2		

with List.map2	51,991		98.54%
with List.indexedMap	18,756		98.34%
filterMap	runs / second		goodness of fit
with cons	123,471		98.08%
with List.filterMap	73,576		98.19%
with push	35,371		97.38%

all	runs / second		goodness of fit
with fold	295,442		98.54%
with List.all	106,663		98.52%
recursive get	63,243		98.57%
recursive last	17,364		98.81%

any	runs / second		goodness of fit
with fold	275,095		98.35%
with List.any	154,941		98.82%
recursive get	63,493		98.9%
recursive last	17,050		98.46%

intersperse	runs / second		goodness of fit
with List.intersperse	56,864		98.18%
with Array.foldr	12,747		97.55%

member	runs / second		goodness of fit
with any	175,587		98.28%
with List.member	139,557		98.73%
with fold	134,046		98.66%
recursive	96,280		98.53%