












# benchmark results

for array-extra


application





	runs / second	goodness of fit
curry		
lambda, fully applied	272,878 	99.08%
lambda, piping	241,620 	99.03%
name only	233,720 	99.26%
lambda nested, fully applied	90,162 	98.54%
partially curried/applied	73,004 	99.11%
chain		
declaration argument,  >  >	264,311 	97.5%
lambda,  > >>	258,453 	98.89%
lambda,  >  >	247,507 	98.87%
>>	102,359 	98.67%




Array





	runs / second	goodness of fit
Array.fold		
foldl	252,692 	98.41%
foldr	239,199 	98.24%

Array.Extra

	runs / second	goodness of fit
mapToList		
with foldr	116,068 	98.73%
with Array.toListIndexed	63,182 	98.75%

	runs / second	goodness of fit
indexedMapToList		
with Array.indexedMap	72,952 	98.17%
with Array.foldr	62,313 	97.36%
with List.indexedMap	44,806 	98.84%
with toIndexed	36,826 	98.5%

	runs / second	goodness of fit
reverse		
with cons	117,783 	97.91%
with List.reverse	88,579 	98.26%
with push	38,291 	98.69%

	runs / second	goodness of fit
unzip		
with maps	124,754 	98.46%
with cons	42,448 	98.7%
with List.unzip	34,731 	98.21%
with push	17,842 	98.3%

map?


map2 runs / second goodness of fit


with List.map2 40,707  99.03%


with un-cons 37,421  98.79%

with get 13,575  98.82%


filterMap runs / second goodness of fit

with cons 50,105  98.63%

with List.filterMap 39,937  99.07%

with push 33,047  98.58%

all runs / second goodness of fit


with fold 224,591  98.66%


recursive get 87,334  98.15%

with List.all 63,941  99.05%


recursive last 15,267  98.98%

any runs / second goodness of fit


with fold 254,672  99.04%

with List.any 120,316  98.47%

recursive get 83,511  99.03%

recursive last 14,422  98.3%


intersperse runs / second goodness of fit


with List.intersperse 41,349  99.05%

with cons 30,581  98.34%


with push 14,815  98.37%

member runs / second goodness of fit

with fold 174,238  99.1%

with any 169,016  98.17%

with List.member 136,623  98.17%

recursive 54,321  98.26%