











benchmark results

for array-extra














application

	runs / second	goodness of fit
curry		
lambda, fully applied	268,801 	99.08%
lambda, piping	260,187 	98.19%
name only	232,477 	98.64%
lambda nested, fully applied	84,504 	98.6%
partially curried/applied	68,410 	98.69%
chain		
lambda, > >>	250,311 	97.86%
declaration argument, > >	234,843 	99.37%
lambda, > >	226,706 	98.47%
>>	105,179 	99.05%

Array

	runs / second	goodness of fit
Array.fold		
foldr	259,914 	99.1%
foldl	226,471 	99.08%


Array.Extra


mapToList	runs / second	goodness of fit
with foldr	120,588 	97.95%
with Array.toIndexedList	64,839 	98.6%
indexedMapToList	runs / second	goodness of fit
with Array.indexedMap	73,209 	98.73%
with Array.foldr	63,920 	98.4%
with List.indexedMap	42,772 	98.57%
with toIndexedList	34,798 	98.85%
reverse	runs / second	goodness of fit
with Array.foldl to list	107,448 	97.82%
with List.reverse	80,334 	98.63%
with Array.foldr to array	35,371 	98.7%
unzip	runs / second	goodness of fit
with maps	112,570 	98.56%
with cons	41,541 	98.86%
with List.unzip	33,767 	99.16%
with push	17,659 	98.61%

map?


map2 runs / second goodness of fit


with List.map2 41,019  98.23%


with un-cons 37,393  98.56%

with get 13,577  98.88%


filterMap runs / second goodness of fit

with cons 50,179  98.74%

with List.filterMap 36,157  98.47%

with push 30,540  98.65%

all runs / second goodness of fit


with fold 235,413  98.71%


recursive get 85,011  98.83%

with List.all 68,780  98.64%

recursive last 15,727  98.91%

any runs / second goodness of fit


with fold 263,353  98.54%


with List.any 118,246  98.86%

recursive get 80,176  98.85%


recursive last 15,148  97.99%


intersperse runs / second goodness of fit


with List.intersperse 39,897  98.78%


with Array.foldr 10,094  99.14%

member runs / second goodness of fit

with any 168,030  98.58%

with fold 147,307  98.43%

with List.member 139,556  98.47%

recursive 52,494  98.67%