












# benchmark results

for array-extra


application

	runs / second	goodness of fit
curry		
lambda, fully applied	501,297 	98.9%
lambda, piping	490,474 	98.95%
name only	488,537 	99.06%
lambda nested, fully applied	232,007 	99.15%
partially curried/applied	199,551 	98.79%
chain		
lambda,  >  >	511,630 	98.86%
declaration argument,  >  >	500,079 	98.94%
lambda,  > >>	401,572 	99.07%
>>	232,569 	98.83%

Array


Array.fold	runs / second	goodness of fit
foldl	508,462 	98.81%
foldr	505,128 	99.02%

Array.Extra

mapToList	runs / second	goodness of fit
with foldr	263,284 	99.03%
with Array.toIndexedList	117,559 	98.77%




indexedMapToList	runs / second	goodness of fit
with Array.foldr	155,601 	98.6%
with Array.indexedMap	146,069 	99.29%
with toIndexedList	72,469 	98.98%
with List.indexedMap	61,314 	99.03%




reverse	runs / second	goodness of fit
with Array.foldl to list	186,283 	99.02%
with List.reverse	108,186 	99.35%
with Array.foldr to array	31,482 	99.32%

unzip	runs / second	goodness of fit
with Array.maps	263,159 	99.37%
with List.unzip	62,437 	99.12%
with foldl to Arrays	16,178 	98.92%




map2	runs / second	goodness of fit
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with List.map2	64,256		99.06%
with List.indexedMap	24,789		99.18%
filterMap	runs / second		goodness of fit
with List.filterMap	90,755		98.67%
with push	38,252		99.1%

all	runs / second		goodness of fit
with fold	466,010		99.06%
with List.all	148,671		99.34%
recursive	21,591		99.22%

any	runs / second		goodness of fit
with fold	461,270		99.2%
with List.any	213,752		99.26%
recursive	21,647		99.22%

intersperse	runs / second		goodness of fit
with List.intersperse	71,183		98.87%
with Array.foldr	13,237		99.36%

member	runs / second		goodness of fit
with fold	198,574		99.21%
with List.member	172,593		99.1%
recursive	122,066		98.81%