benchmark results

for array-extra

application

curry

	runs / second		goodness of fit
lambda, fully applied	539,068		99.08%
lambda, piping	524,416		98.85%
name only	480,118		98.28%
lambda nested, fully applied	239,079		98.67%
partially curried/applied	191,403		98.89%

chain

	runs / second		goodness of fit
declaration argument, |> |>	663,879		98.84%
lambda, |> |>	660,322		99.34%
lambda, |> >>	650,713		98.72%
>>	257,169		98.21%

Array

Array.fold

	runs / second		goodness of fit
foldl	510,428		98.52%
foldr	500,950		98.55%

Array.Extra

mapToList

	runs / second		goodness of fit
with foldr	275,284		98.79%
with Array.toIndexedList	162,471		98.3%

indexedMapToList

	runs / second		goodness of fit
with Array.indexedMap	193,745		99.08%
with Array.foldr	169,444		98.77%
with List.indexedMap	110,898		98.83%
with toIndexedList	92,175		98.28%

reverse

	runs / second		goodness of fit
with Array.foldl to list	296,547		98.32%
with List.reverse	245,820		98.83%
with Array.foldr to array	112,281		98.41%

unzip

	runs / second		goodness of fit
with Array.maps	312,053		98.84%
with List.unzip	93,520		98.66%
with foldl to Arrays	51,379		98.42%

map2

	runs / second		goodness of fit

	runs / second		goodness of fit
with List.map2	109,151		98.82%
with List.indexedMap	35,613		99.01%

filterMap

	runs / second		goodness of fit
with List.filterMap	111,541		98.89%
with push	87,317		98.98%

all

	runs / second		goodness of fit
with fold	501,479		98.7%
with List.all	168,853		98.46%
recursive	32,151		98.8%

any

	runs / second		goodness of fit
with fold	522,934		98.95%
with List.any	317,858		98.77%
recursive	30,724		98.63%

intersperse

	runs / second		goodness of fit
with List.intersperse	110,432		98.64%
with Array.foldr	33,334		98.81%

member

	runs / second		goodness of fit
with any	381,282		99.06%
with List.member	374,553		99.1%
with fold	356,787		98.96%
recursive	148,599		98.85%