benchmark results

for array-extra

application

curry

	runs / second		goodness of fit
lambda, fully applied	562,858	▬▬▬▬▬▬▬	98.67%
lambda, piping	559,555	▬▬▬▬▬▬▬	98.43%
name only	510,639	▬▬▬▬▬▬▬	98.63%
lambda nested, fully applied	247,330	▬▬▬	98.81%
partially curried/applied	207,176	▬▬▬	98.54%

chain

	runs / second		goodness of fit
lambda, |> >>	589,298	▬▬▬▬▬▬▬	98.48%
lambda, |> |>	559,628	▬▬▬▬▬▬▬	98.37%
declaration argument, |> |>	557,014	▬▬▬▬▬▬▬	98.33%
>>	241,119	▬▬▬	98.64%

Array

Array.fold

	runs / second		goodness of fit
foldr	514,092	▬▬▬▬▬	98.6%
foldl	503,063	▬▬▬▬▬	98.45%

Array.Extra

mapToList

	runs / second		goodness of fit
with foldr	295,029	▬▬▬▬▬	98.66%
with Array.toIndexedList	165,857	▬▬▬	98.38%

indexedMapToList

	runs / second		goodness of fit
with Array.indexedMap	213,288	▬▬▬▬	98.44%
with Array.foldr	188,837	▬▬▬	98.71%
with List.indexedMap	120,622	▬▬	98.61%
with toIndexedList	102,251	▬▬	98.39%

reverse

	runs / second		goodness of fit
with Array.foldl to list	322,114	▬▬▬▬▬	98.37%
with List.reverse	261,868	▬▬▬▬	98.55%
with Array.foldr to array	122,679	▬▬	98.61%

unzip

	runs / second		goodness of fit
with Array.maps	274,714	▬▬▬▬	98.61%
with List.unzip	99,134	▬▬	98.69%
with foldl to Arrays	54,112	▬	98.9%

map2

	runs / second		goodness of fit

	runs / second	goodness of fit
with List.map2	114,679	98.4%
with List.indexedMap	39,041	98.7%

filterMap

	runs / second	goodness of fit
with cons	138,102	98.34%
with List.filterMap	113,777	98.3%
with push	94,509	98.89%

all

	runs / second	goodness of fit
with fold	528,157	98.5%
with List.all	192,749	98.68%
recursive get	173,546	98.54%
recursive last	40,931	98.53%

any

	runs / second	goodness of fit
with fold	549,228	98.76%
with List.any	315,019	98.57%
recursive get	172,326	98.73%
recursive last	41,095	98.6%

intersperse

	runs / second	goodness of fit
with List.intersperse	108,591	98.69%
with Array.foldr	36,029	98.89%

member

	runs / second	goodness of fit
with any	415,905	98.61%
with fold	394,611	98.77%
with List.member	384,179	98.54%
recursive	159,916	98.53%