```
f <- function(x) x^2
fplot(f, ylim = c(-1, 4))</pre>

3
2
1
2
1
2
x
```

```
f(x) = x(1-x)^2 becomes
```

```
f <- function(x) {
    x * (1 - x)^2
}</pre>
```

```
f(1)
[1] 0
f(0:5)
[1] 0 0 2 12 36 80
```

```
if (is.numeric(f)) {
        return(function(x) {
            f
        })
    if (is.character(f)) {
        return(function(x) {
            do.call(f, args = list(x))
        })
    stop("Unable convert to a function.")
if (!is.list(x)) {
    fList <- list(x)</pre>
}
else {
    fList <- x
f <- fList[[1]]</pre>
if (missing(ylab)) {
    if (length(fList) > 1) {
        ylab = "function value"
    }
    else {
        ylab = temp_ylab
}
fList <- lapply(fList, makeFunction)</pre>
if (!all(unlist(lapply(fList, is.function)))) {
    stop("first argument must be a function or list of functions")
}
if (missing(xlab)) {
    xlab = names(formals(fList[[1]]))[1]
if (missing(xlim)) {
    if (is.finite(do.call(fList[[1]], args = c(list(0), args)))) {
        xlim <- c(-2, 2)
    }
    else {
        xlim <- c(0, 2)
ddd <- data.frame(x = numeric(0), y = numeric(0), group = character(0))</pre>
```

