main effect on y1 — **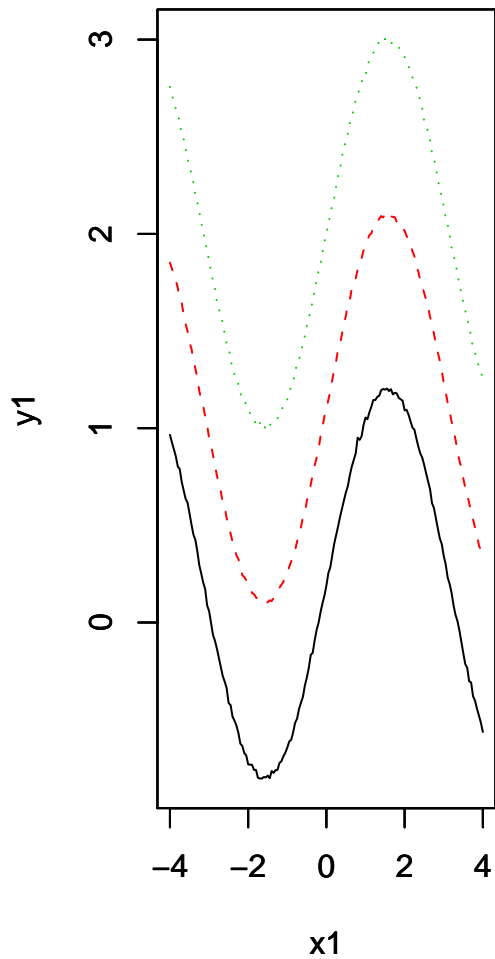main effect on y2**