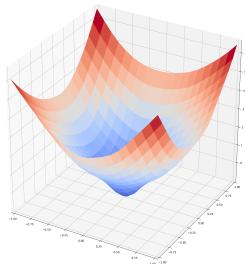
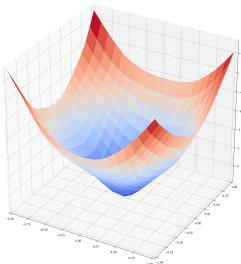


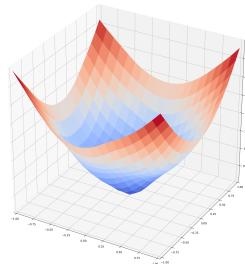
Figure 1: Regular Adam



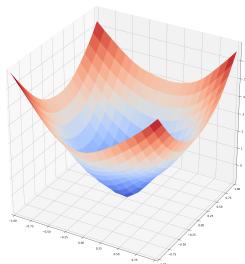
Adam-IKSA, $c = 2$,
 $f(x) = x$



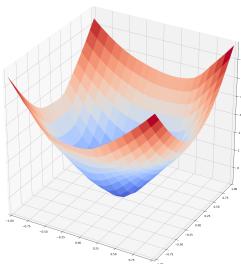
Adam-IKSA, $c = 1$,
 $f(x) = x$



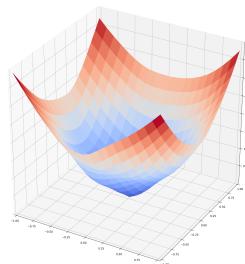
Adam-IKSA, $c = U_{min}$,
 $f(x) = x$



Adam-IKSA, $c = 2$,
 $f(x) = x^2$



Adam-IKSA, $c = 1$,
 $f(x) = x^2$



Adam-IKSA, $c = U_{min}$,
 $f(x) = x^2$