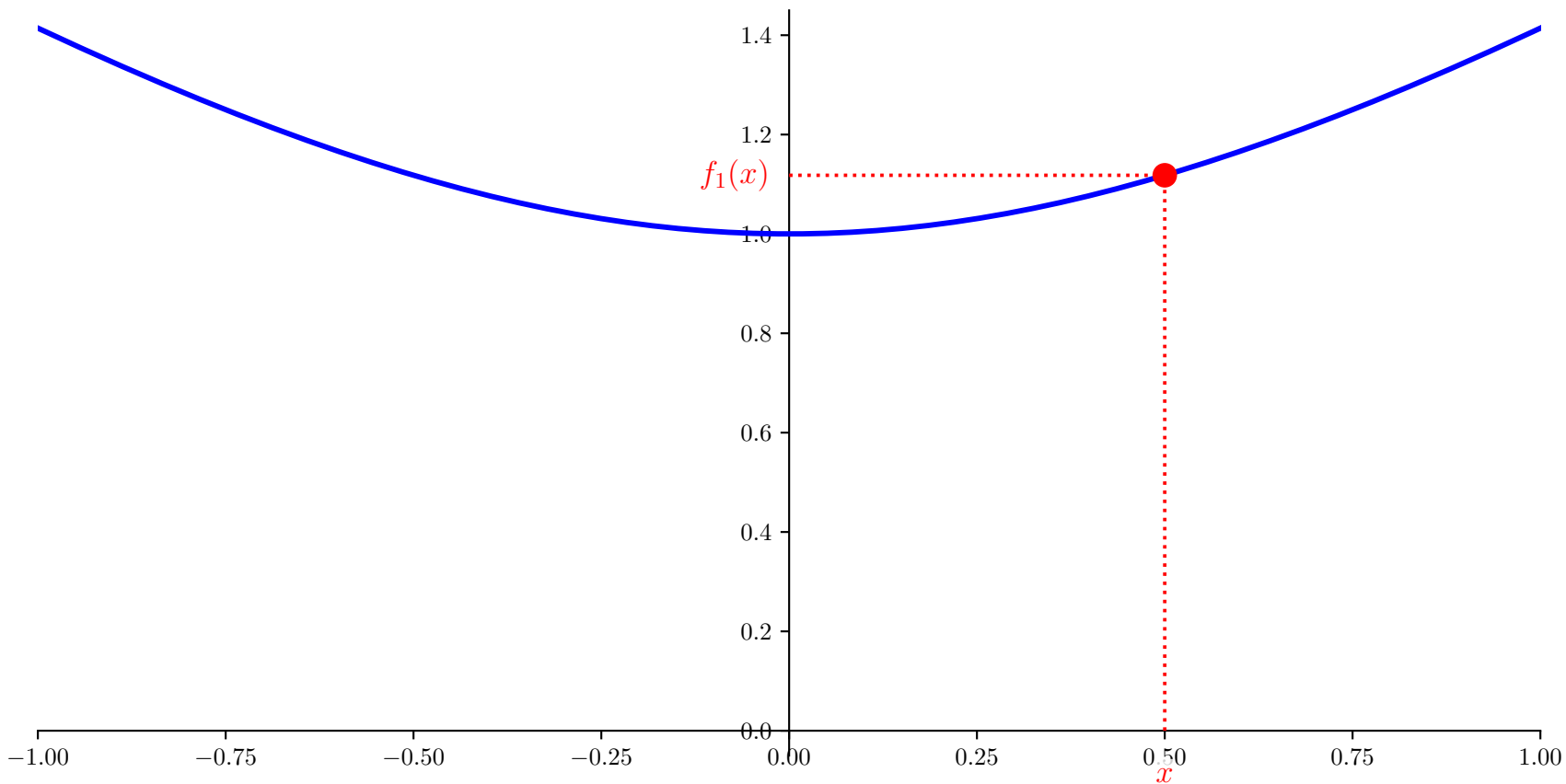


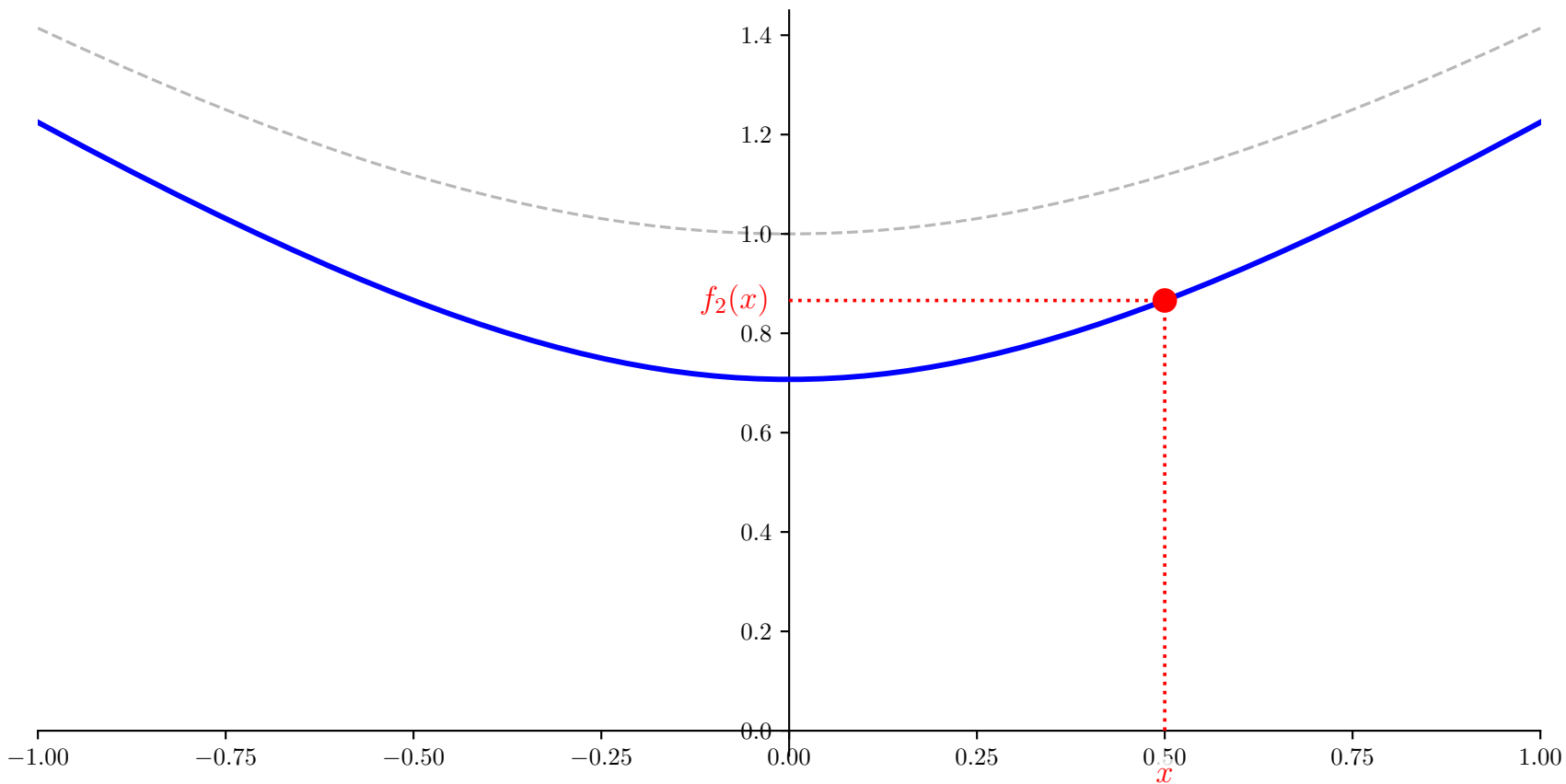
$$f_n(x) = \sqrt{x^2 + 1/n}, n = 1$$



Convergence simple :  $x$  fixé

— courbe de  $f_n$  courante      ● point  $(x, f_n(x))$       — limite  $f$

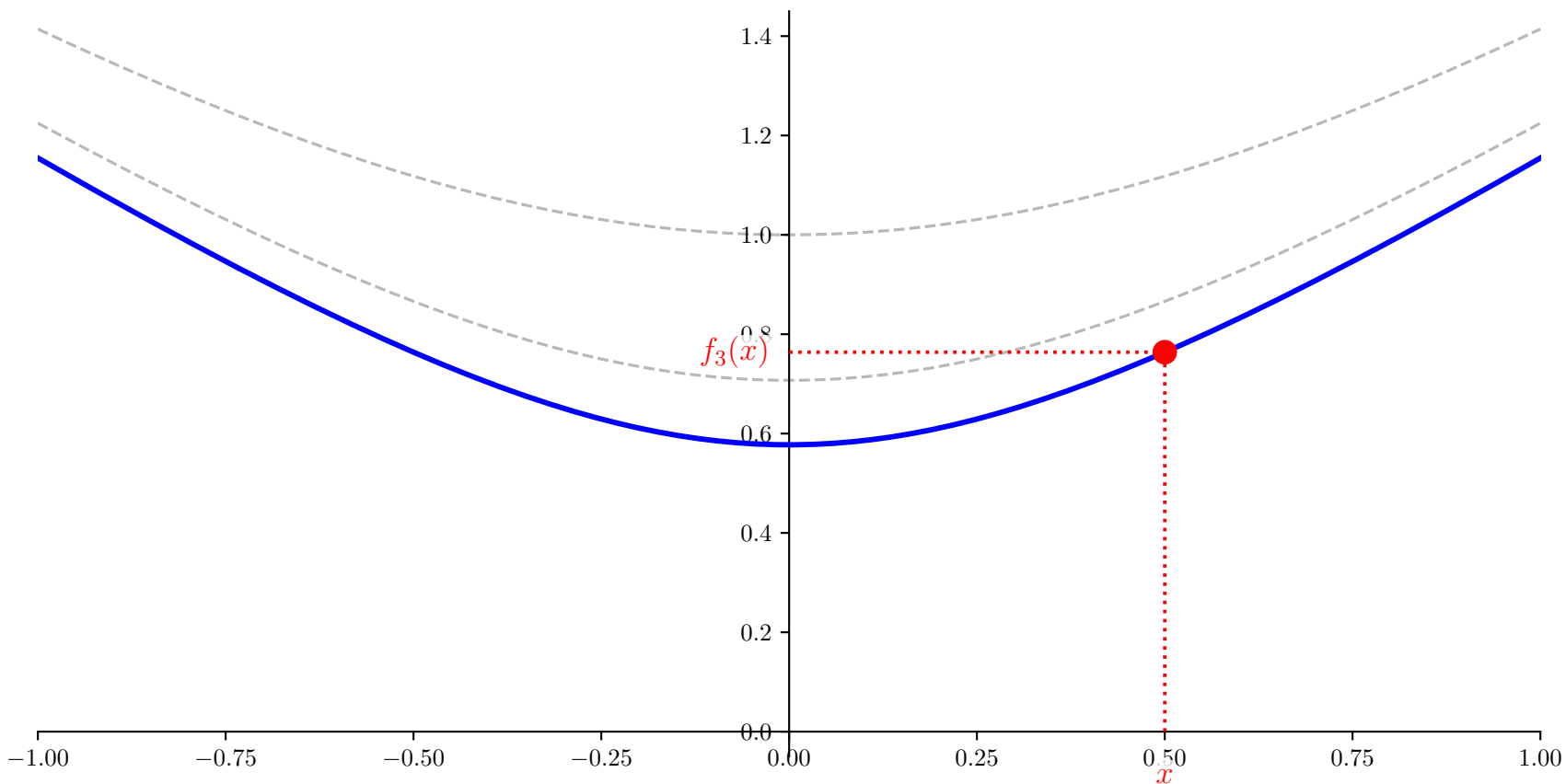
$$f_n(x) = \sqrt{x^2 + 1/n}, n = 2$$



Convergence simple :  $x$  fixé

— courbe de  $f_n$  courante      ● point  $(x, f_n(x))$       — limite  $f$

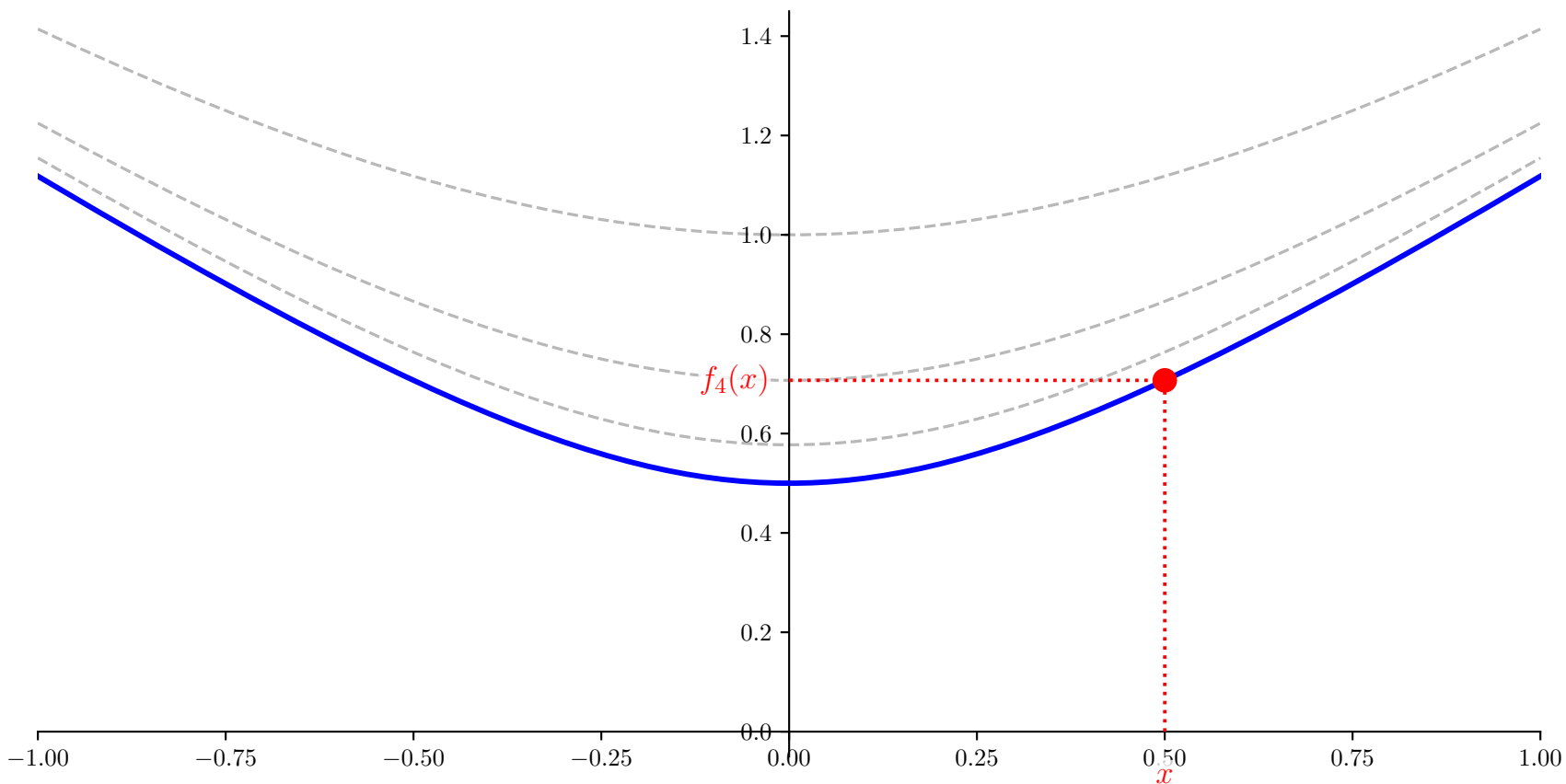
$$f_n(x) = \sqrt{x^2 + 1/n}, n = 3$$



Convergence simple :  $x$  fixé

— courbe de  $f_n$  courante      ● point  $(x, f_n(x))$       — limite  $f$

$$f_n(x) = \sqrt{x^2 + 1/n}, n = 4$$



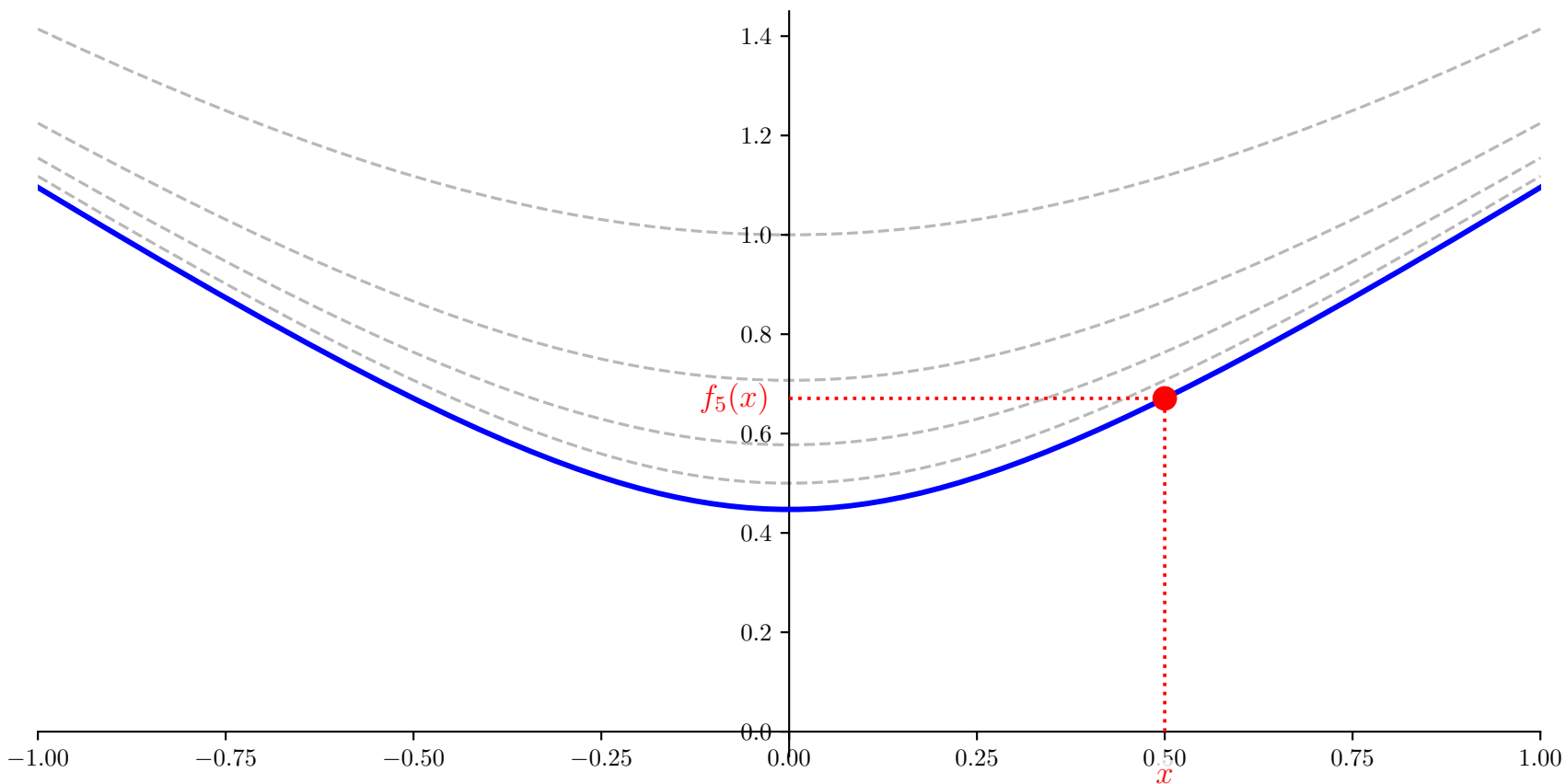
Convergence simple :  $x$  fixé

— courbe de  $f_n$  courante

● point  $(x, f_n(x))$

— limite  $f$

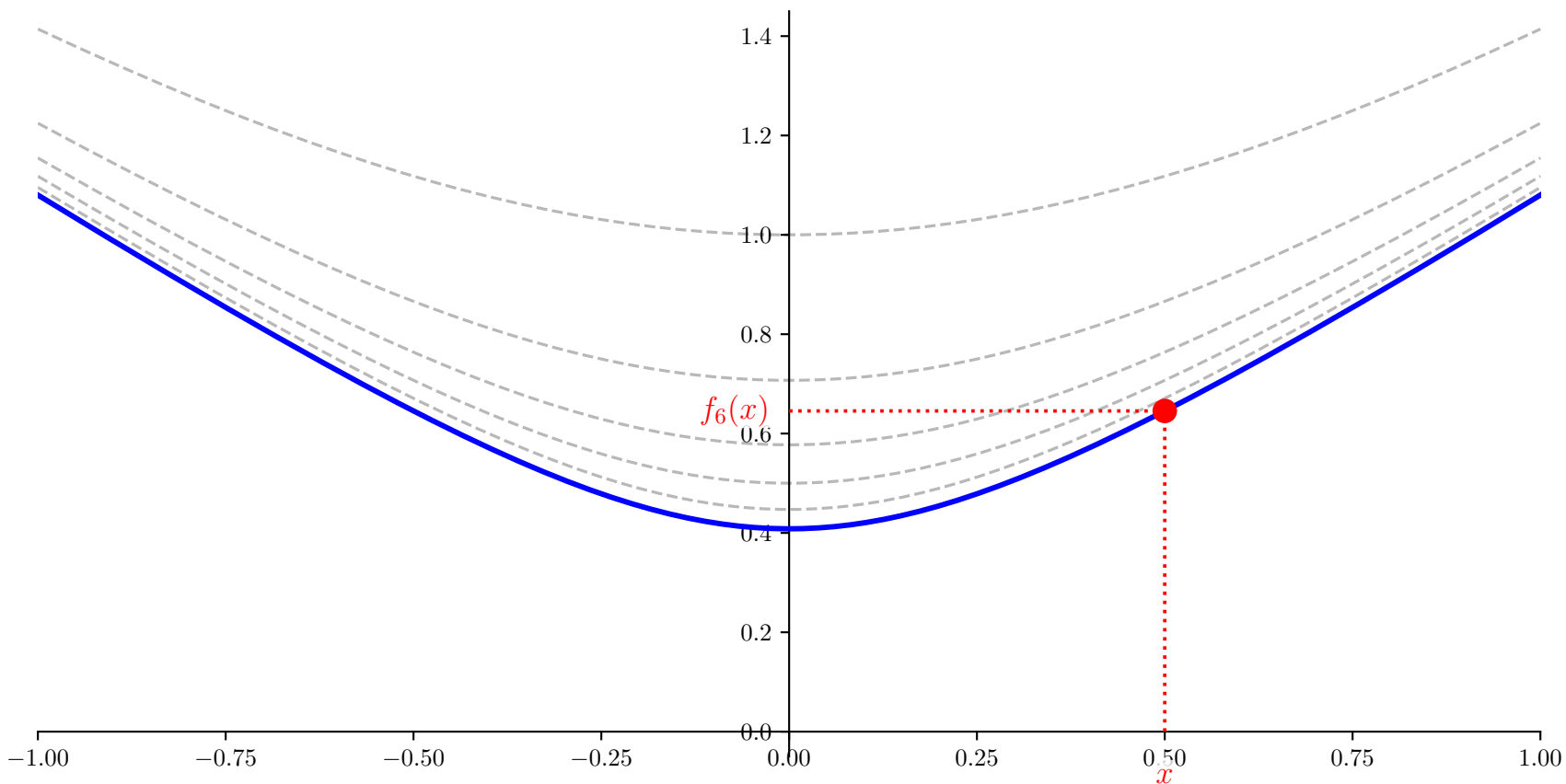
$$f_n(x) = \sqrt{x^2 + 1/n}, n = 5$$



Convergence simple :  $x$  fixé

— courbe de  $f_n$  courante      ● point  $(x, f_n(x))$       — limite  $f$

$$f_n(x) = \sqrt{x^2 + 1/n}, \quad n = 6$$



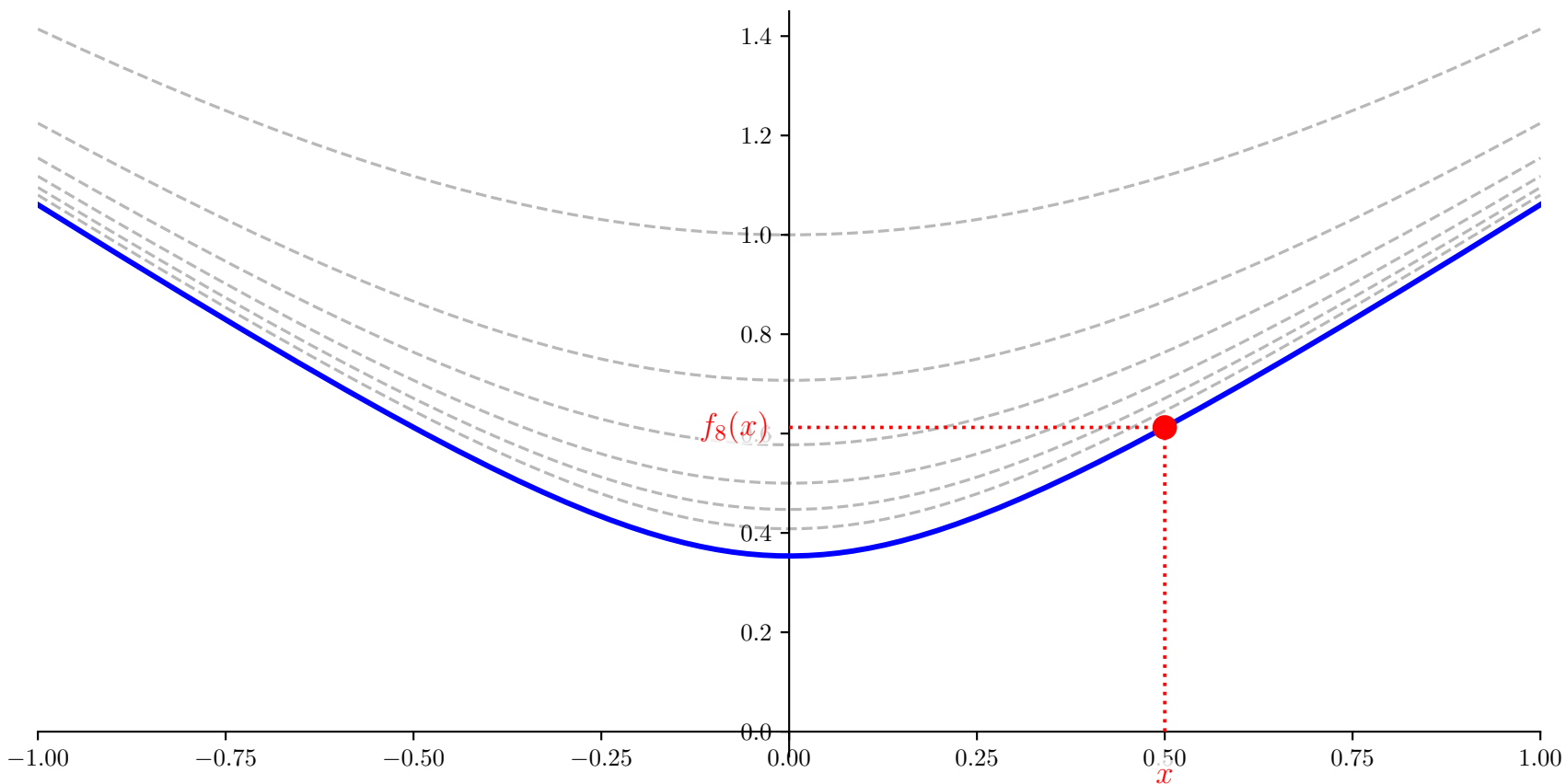
Convergence simple :  $x$  fixé

— courbe de  $f_n$  courante

● point  $(x, f_n(x))$

— limite  $f$

$$f_n(x) = \sqrt{x^2 + 1/n}, \quad n = 8$$



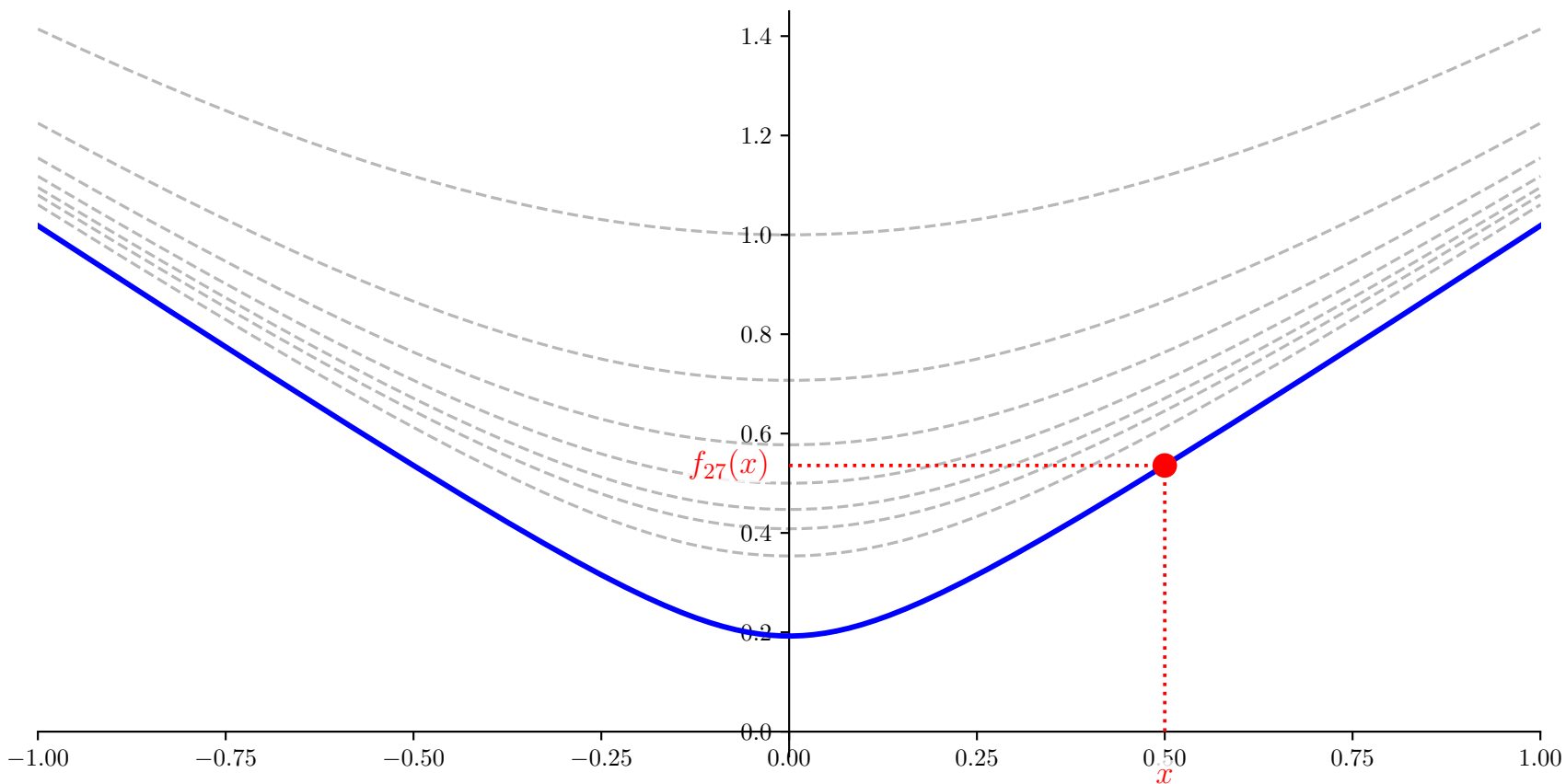
Convergence simple :  $x$  fixé

— courbe de  $f_n$  courante

● point  $(x, f_n(x))$

— limite  $f$

$$f_n(x) = \sqrt{x^2 + 1/n}, \quad n = 27$$



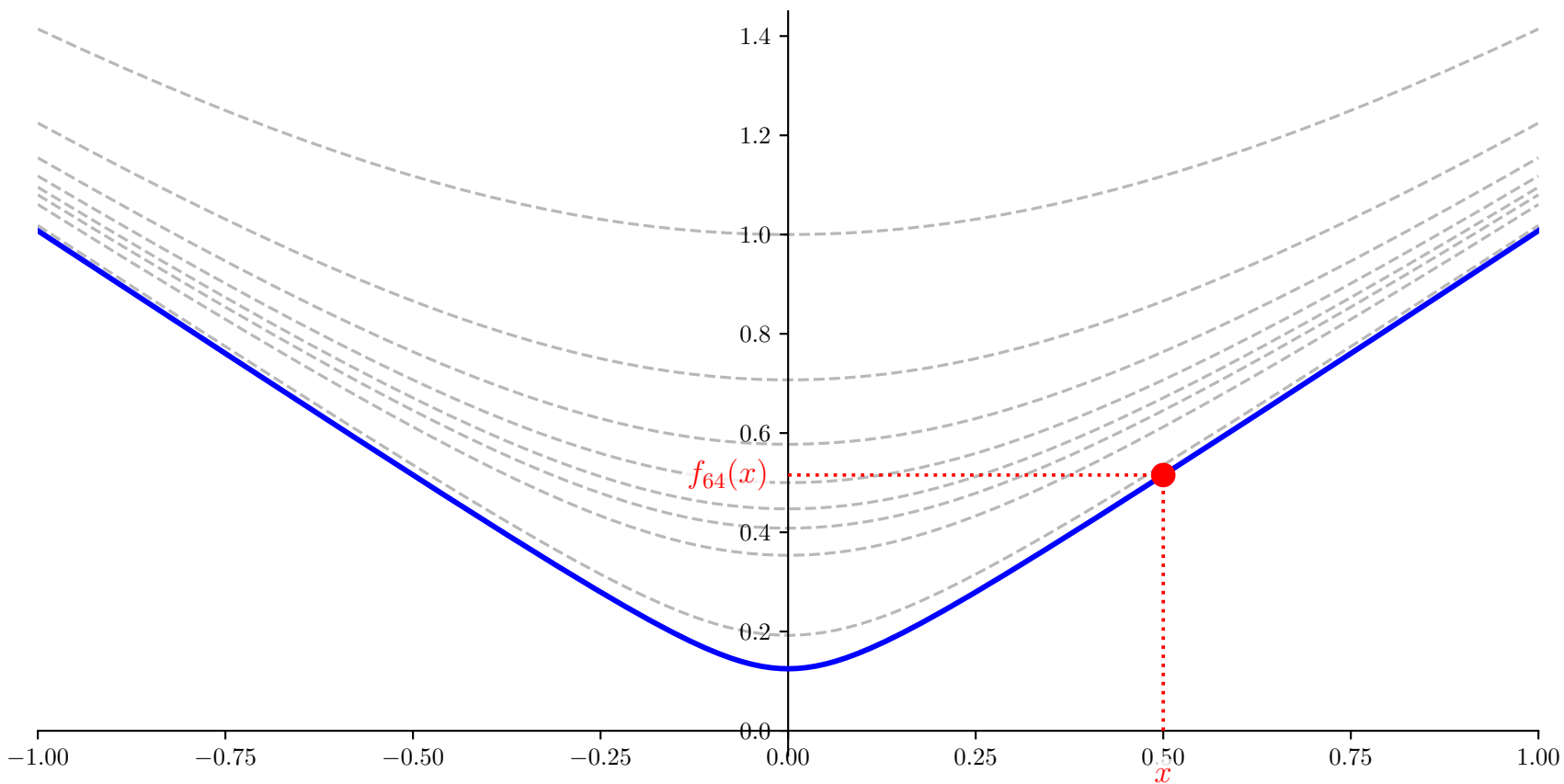
Convergence simple :  $x$  fixé

— courbe de  $f_n$  courante

● point  $(x, f_n(x))$

— limite  $f$

$$f_n(x) = \sqrt{x^2 + 1/n}, \quad n = 64$$



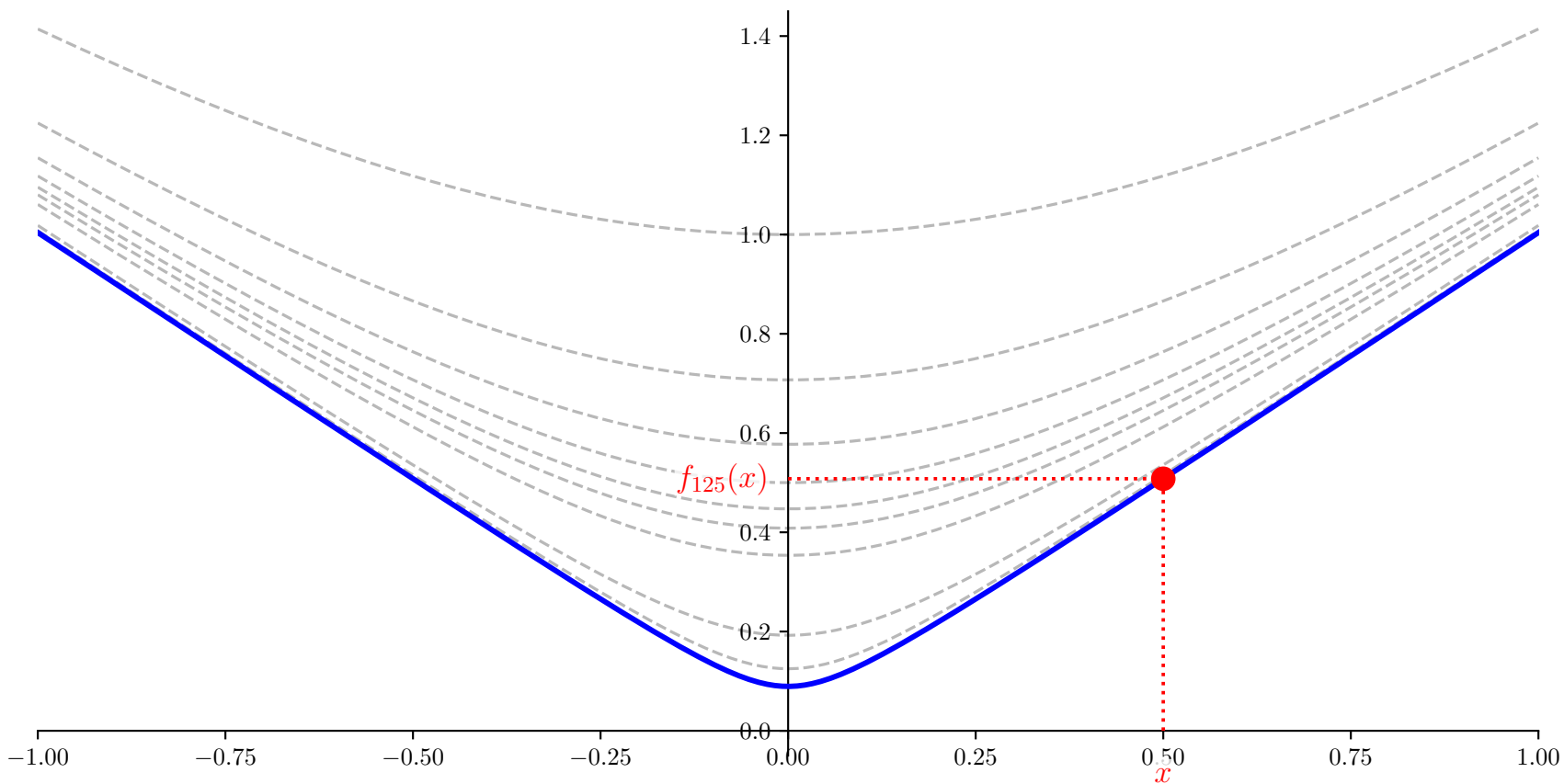
Convergence simple :  $x$  fixé

— courbe de  $f_n$  courante

● point  $(x, f_n(x))$

— limite  $f$

$$f_n(x) = \sqrt{x^2 + 1/n}, \quad n = 125$$



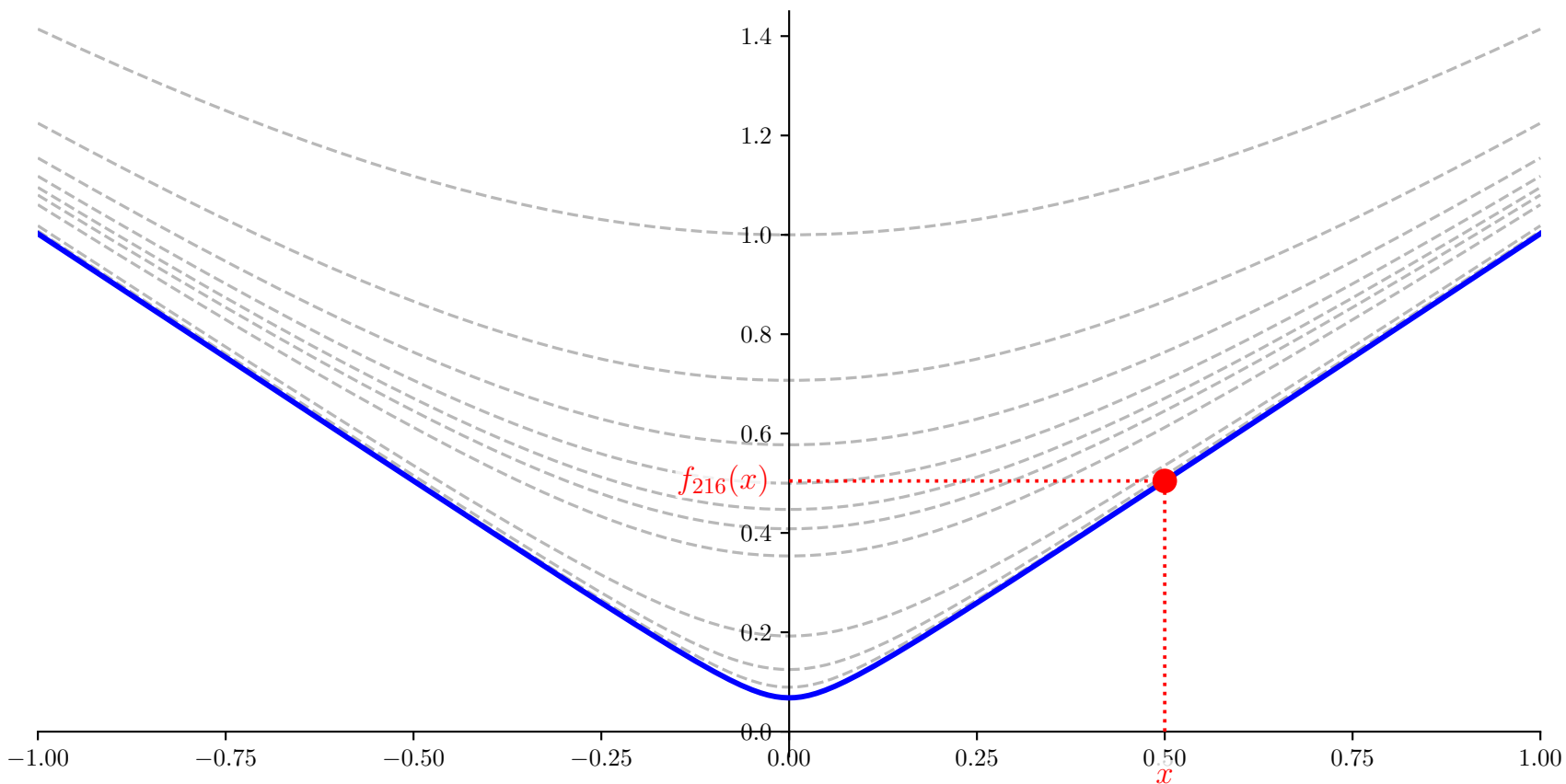
Convergence simple :  $x$  fixé

— courbe de  $f_n$  courante

● point  $(x, f_n(x))$

— limite  $f$

$$f_n(x) = \sqrt{x^2 + 1/n}, n = 216$$



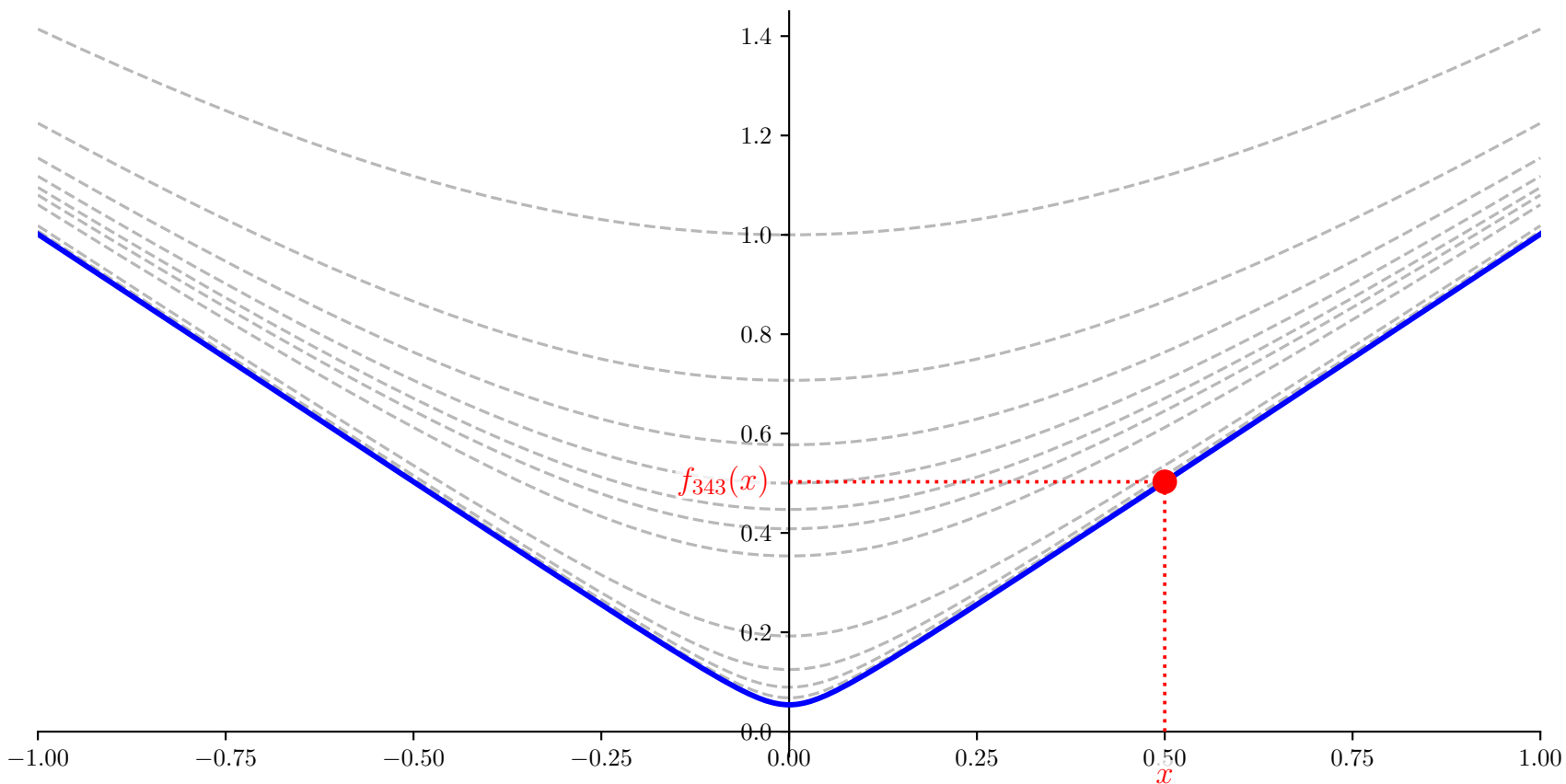
Convergence simple :  $x$  fixé

— courbe de  $f_n$  courante

● point  $(x, f_n(x))$

— limite  $f$

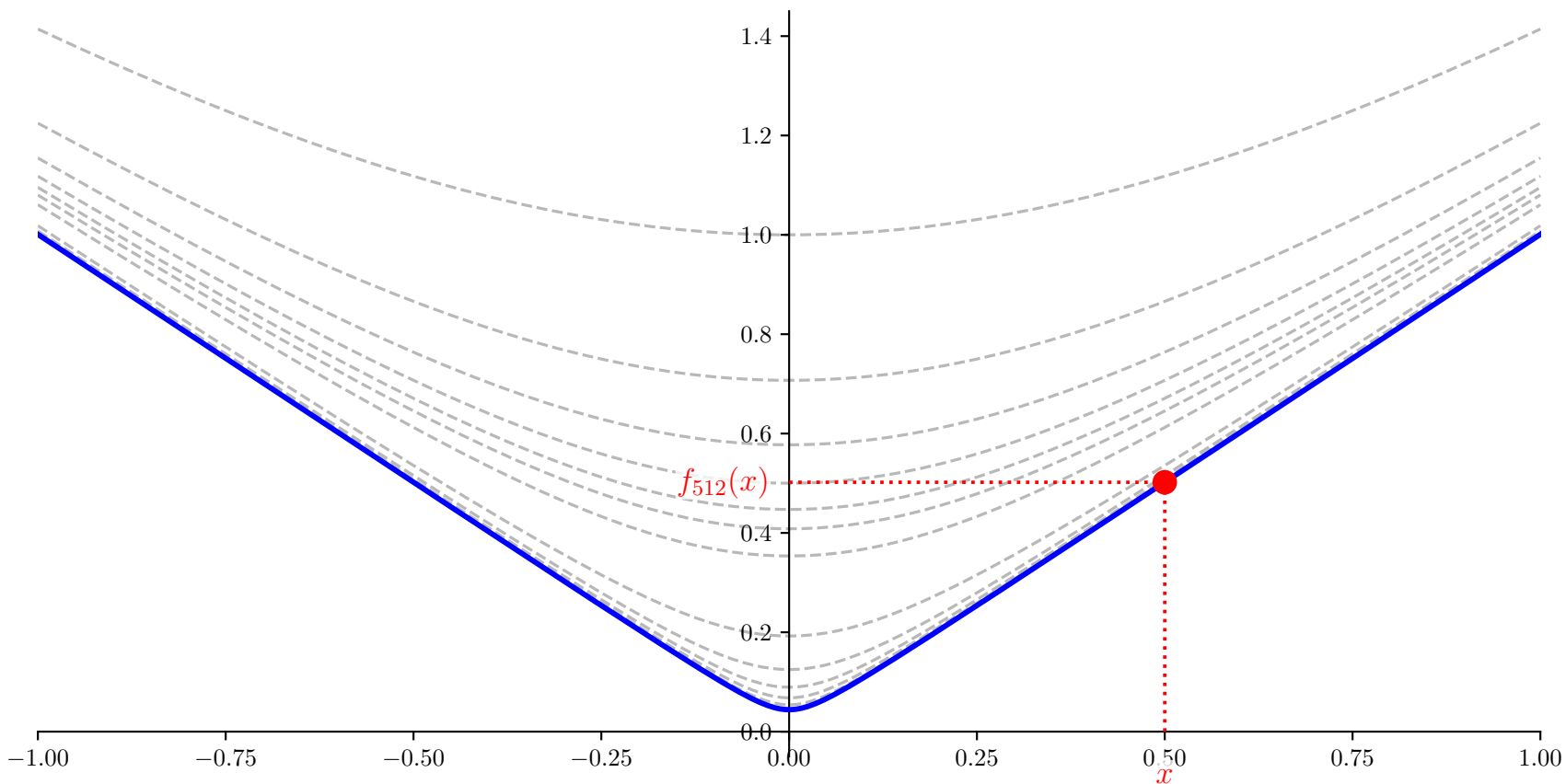
$$f_n(x) = \sqrt{x^2 + 1/n}, \quad n = 343$$



Convergence simple :  $x$  fixé

— courbe de  $f_n$  courante      ● point  $(x, f_n(x))$       — limite  $f$

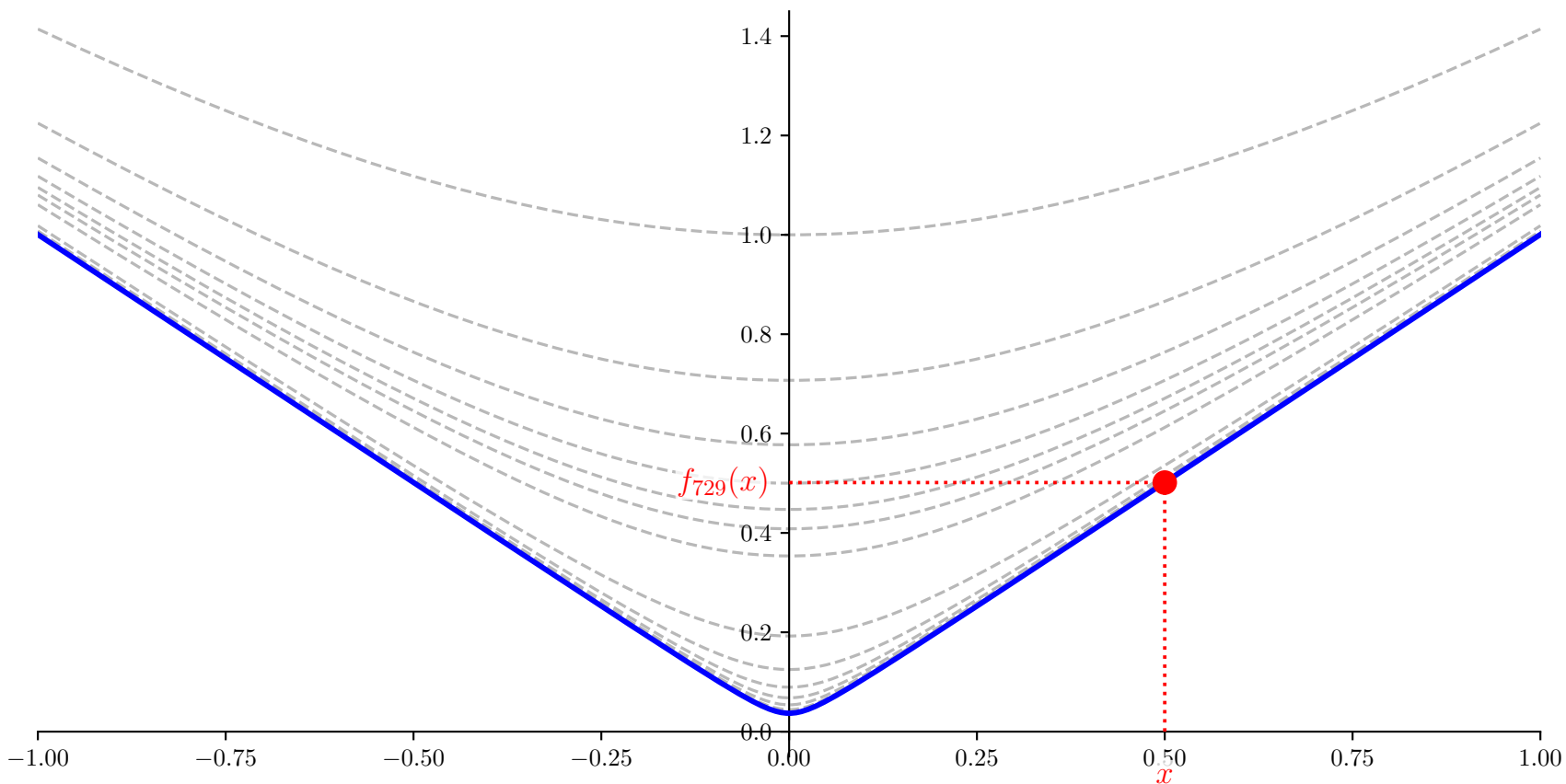
$$f_n(x) = \sqrt{x^2 + 1/n}, \quad n = 512$$



Convergence simple :  $x$  fixé

— courbe de  $f_n$  courante      ● point  $(x, f_n(x))$       — limite  $f$

$$f_n(x) = \sqrt{x^2 + 1/n}, \quad n = 729$$



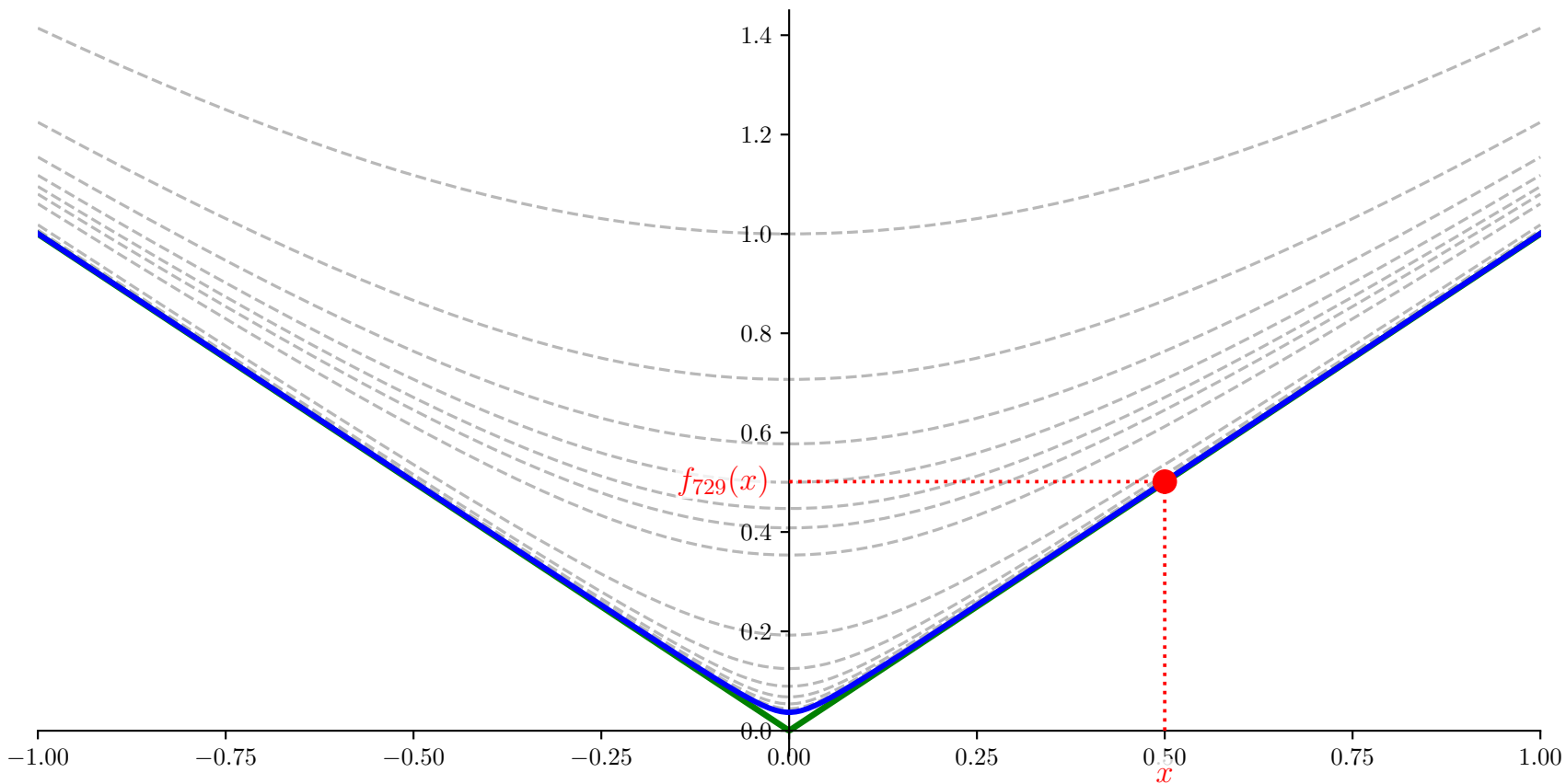
Convergence simple :  $x$  fixé

— courbe de  $f_n$  courante

● point  $(x, f_n(x))$

— limite  $f$

$$f_n(x) = \sqrt{x^2 + 1/n}, \quad n = 729$$



Convergence simple :  $x$  fixé

— courbe de  $f_n$  courante      ● point  $(x, f_n(x))$       — limite  $f$