Hilbert curves

A *family* of curves parametrized by a natural number n. Actually 4 families $A(n)$, $B(n)$, $C(n)$, $D(n)$.

$A(0) = B(0) = C(0) = D(0) \rightarrow$ just a point

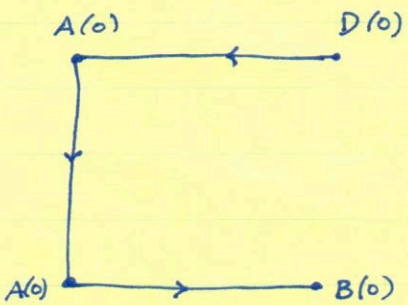
$A(n) = D(n-1) \leftarrow A(n-1) \downarrow A(n-1) \rightarrow B(n-1)$

$B(n) = C(n-1) \uparrow B(n-1) \rightarrow B(n-1) \downarrow A(n-1)$

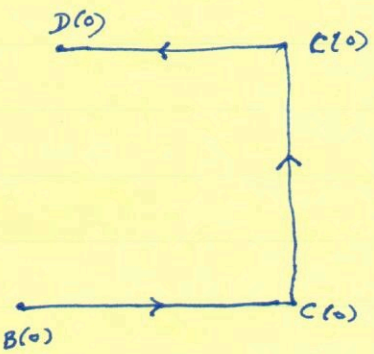
$C(n) = B(n-1) \rightarrow C(n-1) \uparrow C(n-1) \leftarrow D(n-1)$

$D(n) = A(n-1) \downarrow D(n-1) \leftarrow D(n-1) \uparrow C(n-1)$

$A(1)$



$C(1)$



$B(1)$