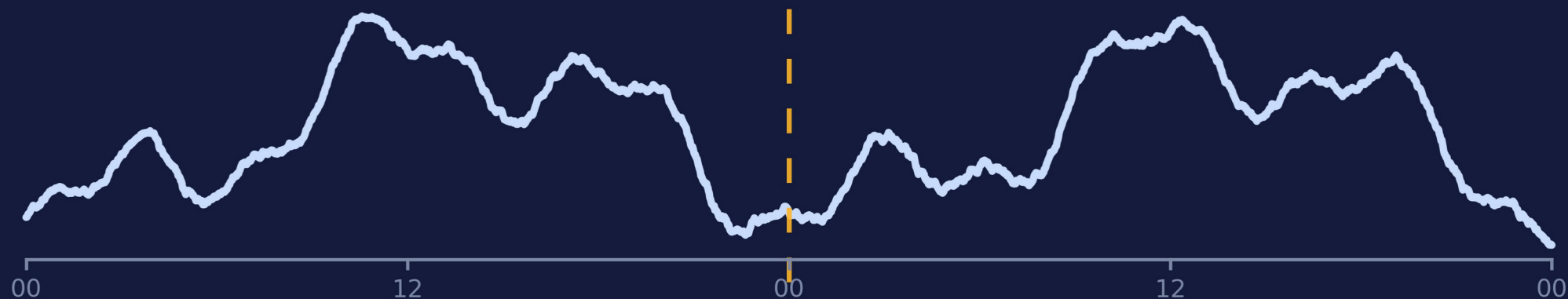
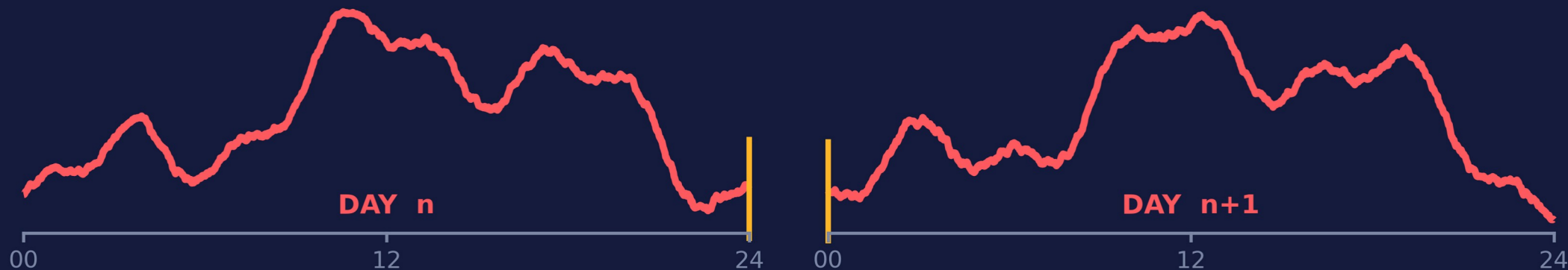


The calendar is not *biology*.

THE BIOLOGY one uninterrupted physiological process
MIDNIGHT



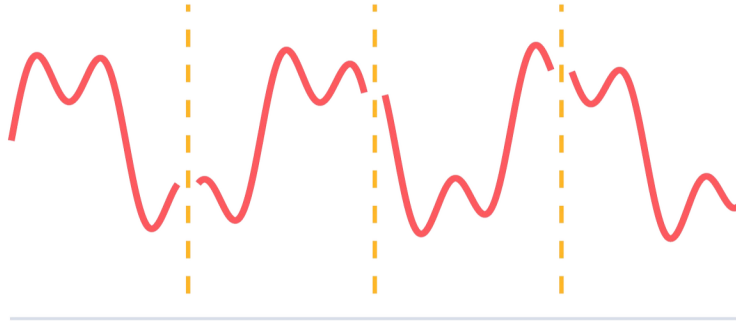
THE ANALYSIS cut, restarted, and counted as two



What changes when the topology changes

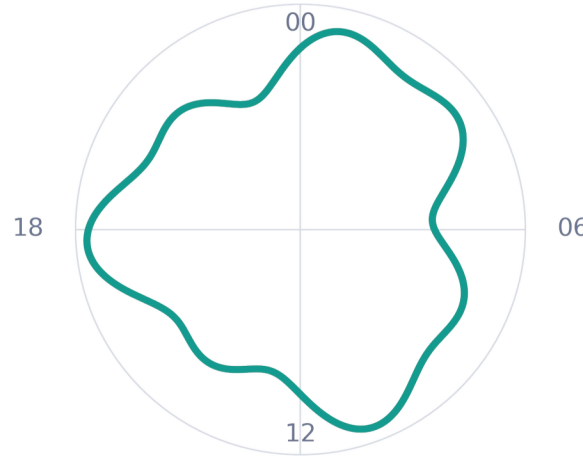
89 consecutive days · 25,536 CGM readings · Dexcom G7, one continuous series

LINEAR SEGMENTATION



every boundary is a break in the signal

CIRCULAR TOPOLOGY



midnight is a position, not a wall

+12.1%

information preserved
under circular topology

2.8×

reduction in
signal fragmentation

$p < 0.001$

not attributable
to chance

Midnight segmentation is not a rounding error.

It shatters one continuous process into 2.8 times more pieces than the biology contains.

The error does not stay at midnight

Once a continuous process is divided by an arbitrary boundary, every layer built on top of it inherits the cost.

CLINICAL

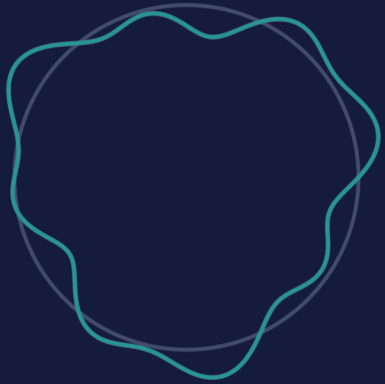
Time-in-range and overnight metrics are computed on segments the body never made.

ANALYTIC

Variability and pattern detection inherit the breakage before any result is read.

AI

Every model trained on midnight-cut data learns the artifact along with the signal.



The calendar is one of humanity's greatest inventions.

Biology never agreed to follow it.