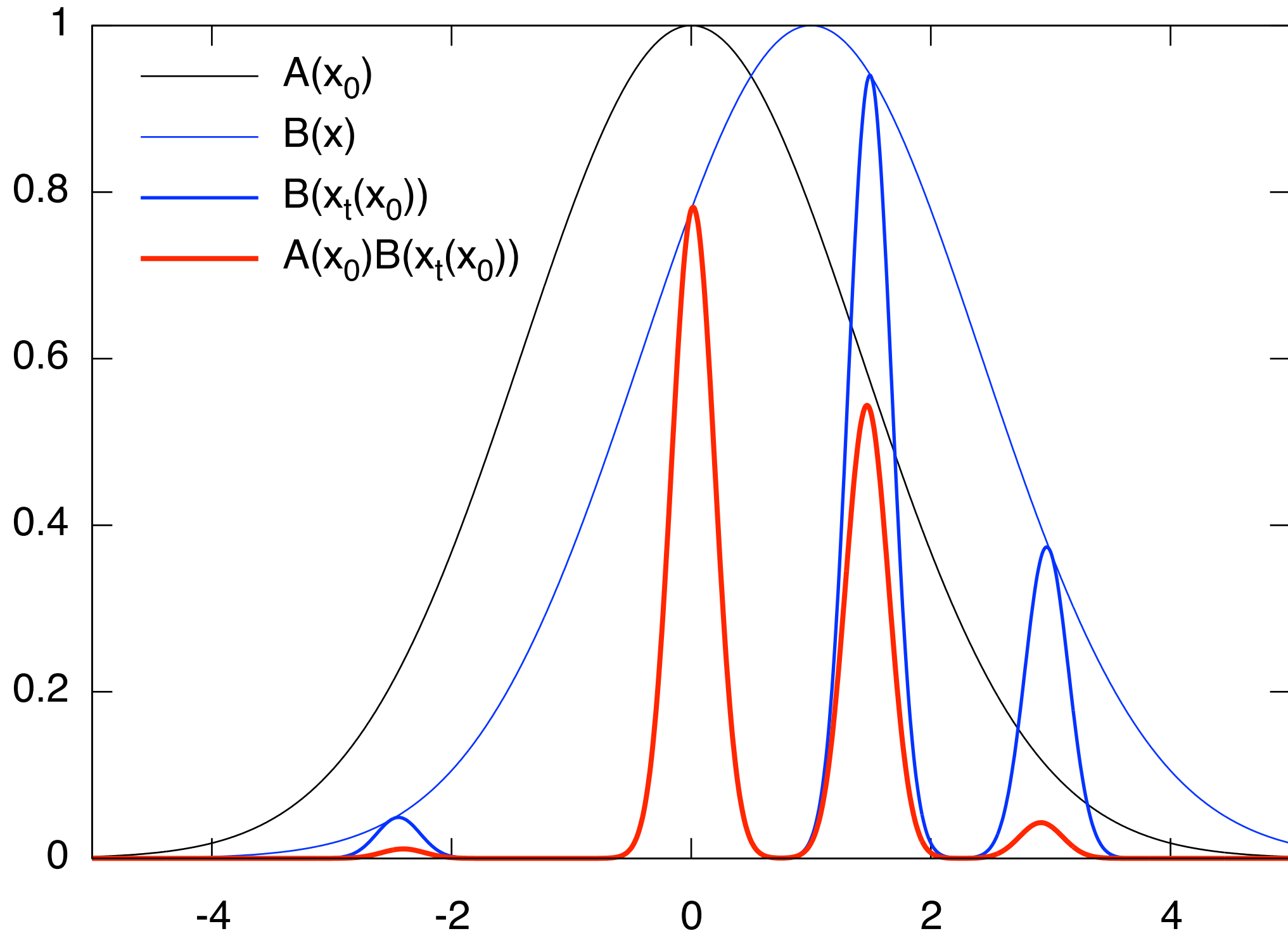# The product is what we care about: if this has well-defined structures, then this is a good candidate for coherences.

What if there's structure in the initial function?
Replace it with an envelope function.