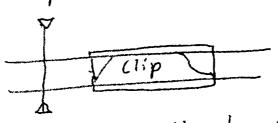
KAIROS BLENDING

We want to have tracks that are transparent:



Outside a clip the track shall have no effect on the final result.

Inside a clip we want to be able to Jade into the clip.

For that to work we need to "blend into the background".

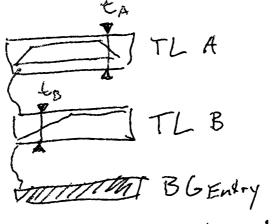
sample: (Time, Background) -> Value
Typically we can implement this
function with a lerp:

sample $(t, bg) = v \cdot \alpha + bg \cdot (1 - \alpha)$ with v being the clip value at tand α the alpha value at t

So when calling sample from downstream we need to hand over a background on which the track can blend on top. Performance v. x + bg. (1-x) returns v for fully opaque clips In these scenarios it would be nice to not evaluate the background value. Note that in big compositions with many containers (timelines, composers...)
evaluating by might be more expensive than sampling the local dip. Idea: hand over a function to compute the background that we only call if necessary.

In complex setups this leads to:

- · building delegates depending p on each other.
- · then we sample from top of to be thom.



TL A samples at tx. It needs a background BGA. As it is not opaq. It calls the delegate BGFunca.

This one just samples TLB with samples B6 tunes at to = B6 Entry - as it also ish't fully opaque at to.