

Recursive Feedback 20211207

It's December 7th, 2021. Once again it's December 7th, 2021. It's a little after 9 in the morning. I'm taking these notes because I really wanted to try to find some written development notes that I was sort of correlating and I don't really have time to do that at this minute (moment). It might take me a little while to find them so I thought I'd try to get this thought down. So it has to do with feedback loops and it has to do with a feedback loop that is seeking to reach a certain state. Right off the top of my head I was thinking that that state that it was attempting to satisfy would have been the lowest energy state or a state of rest. So that was one thing I wanted to make sure I captured. But this was in reference to the communication standard. I was well command concepts and one of the command concepts is the communication standard and I had correlated the communication standard with troubleshooting, tracing signal paths and each stage conditions the signal. That was what I was initially correlating and then it made me think of or also associate it with the feedback loops that, and I can't remember the word now, but it's a word that describes that it's continuous. These adjustments or course corrections, emergence, I guess is one of the words that I've been circling around. This emergence, this emergent signal, the feedback loops continue until that condition is satisfied. And so I was looking at how bias, okay, so if we, you know, if I consider it from the perspective of instead of being like stages in an amplifier conditioning the signal, if I look at it as individual personalities conditioning the signal, the information, I was looking at informational bias and how as a story, let's say, or news, let's say, as news or a story is told and retold through this chain of custody, this bias can condition and therefore modify the signal or the information. So I wanted to make sure that I captured that and I just want to make sure that recursive, that's the word. So I'm looking at the feedback loops in my conditional array and also, well, I'm looking at how conditional, the conditional array, I don't think I have any feedback loops in any of the modeling, but in the conversion cascade I do and it struck me that there's a correlation between conditional array type critical path analysis and conversion cascade and that both would most likely involve feedback loops. In fact, I think that would make them much more powerful in their effectiveness. I know it does in the conversion cascade, but I realized that's probably also true of the conditional arrays critical path analysis. And so each stage conditions the signal, then that made me realize that, well, the signal is an emergence. Okay, so when I take it away from a physical machination, like electronic signals,

and which can also have noise, you know, signal-to-noise ratio, so it's even in those systems and the signal can become biased in electronic circuits or is oftentimes designed to be biased in electronic circuitry, but then I started thinking about peoples, about human communication, human chain of custody of information. And I even thought very briefly about how context, this goes back to Malcolm Gladwell, how, you know, people, individuals, do at times tend or inclined to take information or data out of context. You know, they'll take a very limited data set and it may show a short-term trend, but if you look at the entire data set it's not the full picture, and that trend may be misleading. So that's taking things out of context, and information is the same way. So I was also kind of, you know, circling around that a little bit. But then in the bigger picture of things, even if that bias was introduced, being within the larger recursive system of feedback loops, it would not reach a satisfied state. It would have to feed back and work to correct, to course corrections. It would have to, it would work, it would, it's almost like an if-then. It would feed back in order to offset that bias and ring true. I guess really that's what I'm saying is that's something that is teleological, is designed for a specific purpose, and if that purpose, in order to satisfy that purpose, it is a recursive design, then that bias signal would have to feed back. And I've seen that in circuitry design. Yeah, it almost makes me think of a noise cancellation circuit, and in this case the bias, an individual bias that introduced bias to the base signal, that would be the noise, and that would be the noise that would need to be canceled out through that feedback loop. Yeah, I think that's about the best I can explain it at this point. I know I have loose notes that all relate to this, and I was looking for them, but I need to go out the door to go run an errand, so I'm not going to be able to look it up now, but I just want to make sure I captured the information. That's all, signing off.