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Everyone should be using something like this, as well as maybe not many other related things. But you probably don't know what this is, so have fun. (ie. rewrite this placeholder text later)

Usage

./ubiquitous bash.sh

Standards

input.rrf
framed.rrf
output.rrf

Any automation of the preprocessing/postprocessing step by 'gr-pipe' may use a separate 'flowgraph' pointing to 'framed.rrf' . Similarly, shell/batch files may perform this step.

Design

Conclusions

*) Fra	ming	arbitrary	size	files	with	stock	GNURadio	is r	not	possible,	due	to	'Stream	to	Tagged	Stream'	, at	least	with	the	stock
versio	n, b]	locking ou	tput ι	until a	a muli	tiple (of the sp	ecifi	ied	length fo	r ta	ggin	ıg.								

 $\mbox{\ensuremath{^{\star}}}\mbox{\ensuremath{)}}$ Cygwin installation of GNURadio may be possible. Possibly also gr-pipe .

Safety

Reference

https://aaronscher.com/GNU_Radio_Companion_Collection/Audio_modem.html https://wiki.gnuradio.org/index.php?title=CygwinInstallMain https://wiki.gnuradio.org/index.php/Packet_Communications MAJOR - 'Functionally it replaces a 'File Source' block and a 'Stream to Tagged Stream' block. The advantage of this block is that when the input file size is not an exact multiple of the selected packet length, the remainder at the end of the file is not lost in the 'Stream to Tagged Stream' buffer. This precludes the need for a pre-processor such as the text padding program above.' https://raw.githubusercontent.com/gnuradio/gnuradio/master/gr-digital/examples/ofdm/ofdm_loopback.grc https://wiki.gnuradio.org/index.php/Packet_Communications MAJOR - 'Header Format Object' . MAJOR - 'Using Header Format Default and Correlate Access Code' . https://wiki.gnuradio.org/images/f/fd/Pkt_7_base_fg.png 'Protocol Formatter' 'Format Obj' 'Header/Payload Demux' https://wiki.gnuradio.org/images/8/89/Pkt_7_base.grc Format Obj.: hdr_format https://github.com/gnuradio/gnuradio/blob/master/gr-digital/examples/ofdm/tx_ofdm.grc Format Obj.: header_formatter.base() https://www.gnuradio.org/doc/doxygen/classgr_1_1digital_1_1packet__header__default.html 'packet_header_default'

https://www.youtube.com/watch?v=RnAgqGR-D-8 https://www.youtube.com/watch?v=VR0mej2o-SM Windows... HackRF...

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