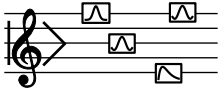


Presto microwave platform

No mixers, no microwave generators,
just Direct Digital Synthesis up to 10 GHz



PULSE SEQUENCER



Place pulses and readout
on a 2 ns event grid

ARBITRARY PULSES



Up to 256 templates with
1 GHz bandwidth

MASSIVELY PARALLEL FFT



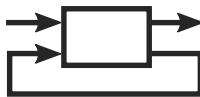
Measure thousands of frequencies
with gap-less FFT, PSD and cPSD

MULTIFREQUENCY



Continuous-wave generation and
demodulation with 192
simultaneous frequencies

LOW-LATENCY FEEDBACK



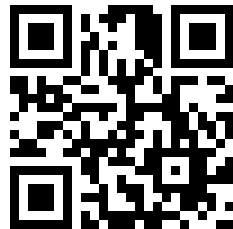
Trigger output pulses from
any combination of
template-matching results

ALGORITHMS



Simple flexible interface for
reset, readout, Ramsey, Rabi or
your own custom algorithm

- 16x 10 GHz RF outputs
- 16x 10 GHz RF inputs
- 2x 15 GHz local-oscillator outputs
- 16x DC-bias outputs
- 4x digital inputs
- 4x digital outputs



More about Presto

Scalable and synchronizable with Metronomo