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Future high-resolution observation capabilities of the chromosphere and corona from Earth

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Instrumentation for solar observations always represents a trade-off between spatial resolution, spectral resolution, field-of-view, time-coherence, calibration, and available money. The current state-of-the art for optical and near-infrared wavelengths consists of Fabry-Perot interferometers, and various types of imaging spectrographs.

In this talk I will discuss some aspects of these considerations, and review current and upcoming instrumentation at DKIST, SST, and other observatories.

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