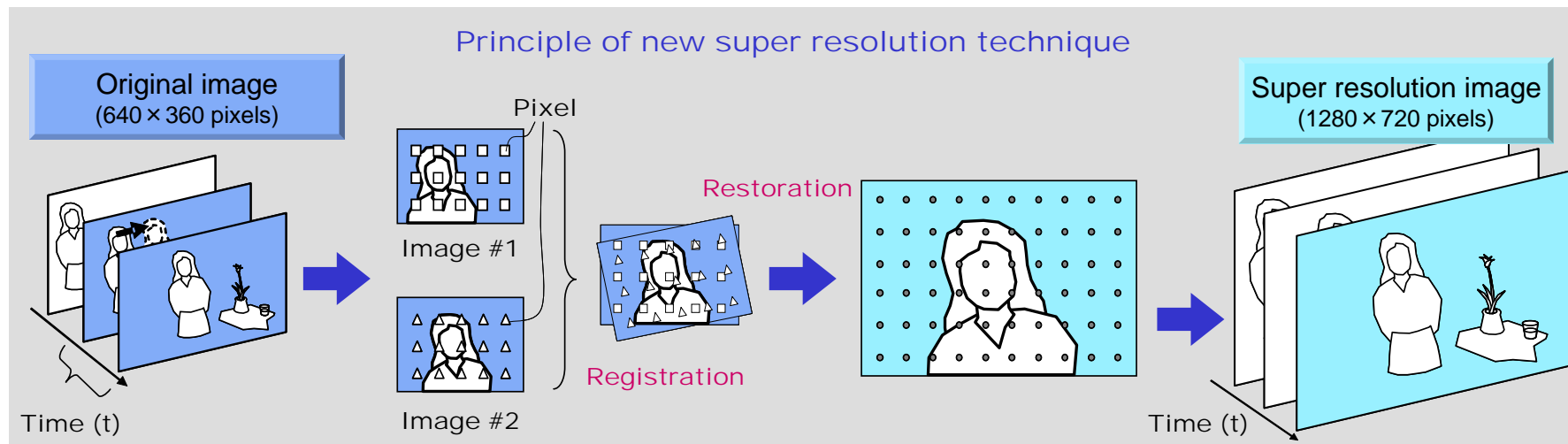


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Conversion of terrestrial digital broadcasting to super resolution images - Principle of new conversion technique verified -



The Central Research Laboratory of Hitachi, Ltd., has verified the principle of a new technique for the conversion of terrestrial digital broadcasts into super resolution images. Conventional super-resolution techniques require large amounts of data, 10-50 image frames and 10-100 times of repetitive computation, to produce a super resolution image. The technique developed requires no repetitive computations and enables the number of images required to be reduced to only two frames to achieve a super resolution image. As a result, it will become possible to drastically reduce the size of signal processing circuits, as well as apply super resolution conversion technology to television broadcasts which require real time signal processing.