



Augmented und Virtual Reality
Die 4. Transformation

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DISPLAY DEVICES

VR:



Special headsets or
smart glasses



AR/MR:



Headsets optional-can
include holodisplays and
other tech

IMAGE SOURCE

AR/MR:



Combination of computer generated images and real life objects

VR:



Computer graphics or real images produced by a computer

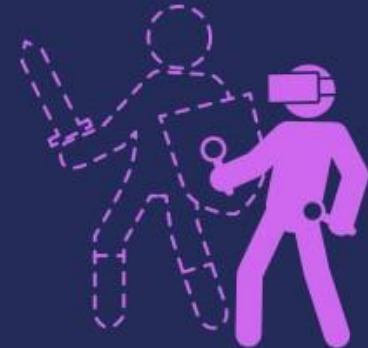
PERSPECTIVE

AR/MR:



Virtual objects behave based on user's perspective in the real world

VR:



Virtual objects will change their position and size according to user's perspective in the virtual world

ENVIRONMENT

VR:

1010
0101
1010

Fully digital



AR/MR:



Both virtual and real life
objects are seamlessly
blended

PRESENCE

VR:



AR/MR:



Feeling of being transported somewhere else with no sense of the real world

Feeling of still being in the real world, but with new elements and objects superimposed

AWARENESS

AR:



Virtual objects can be identified based on their nature and behavior, such as floating text that follows a user

VR/MR:



Perfectly rendered virtual object can't be distinguished from the real deal

Sources:

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<http://allvirtualreality.com/tutorials/what-difference-between-vr-virtual-reality-ar-augmented-reality-mr-mixed-reality.html>

<http://www.itagged.com/facing-reality-move-over-ar-and-vr-mr-is-the-next-wave/>

<http://www.kzero.co.uk/blog/face-race-virtual-augmented-reality-companies/>

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Every thing is possible...