

VR METRICS

FOR FEEDBACK

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INTRODUCTION



VR METRICS

What kind of metrics can be tracked in VR?



COMBINATIONS

How to get relevant information out of these VR metrics?



AUTOMATIC FEEDBACK

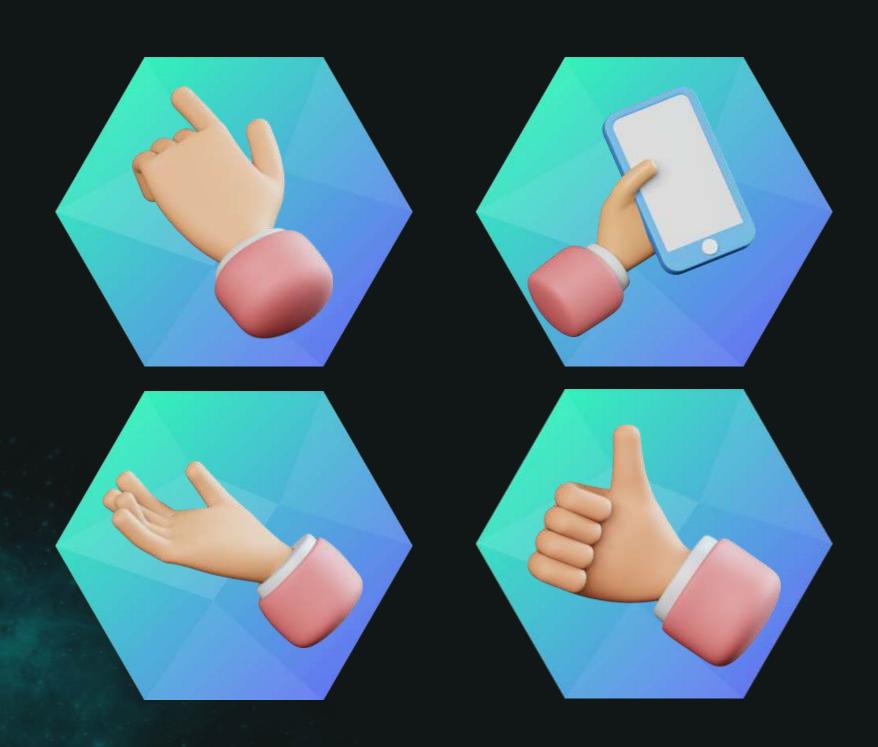
How to give automatic feedback from these VR metrics?



VR METRICS

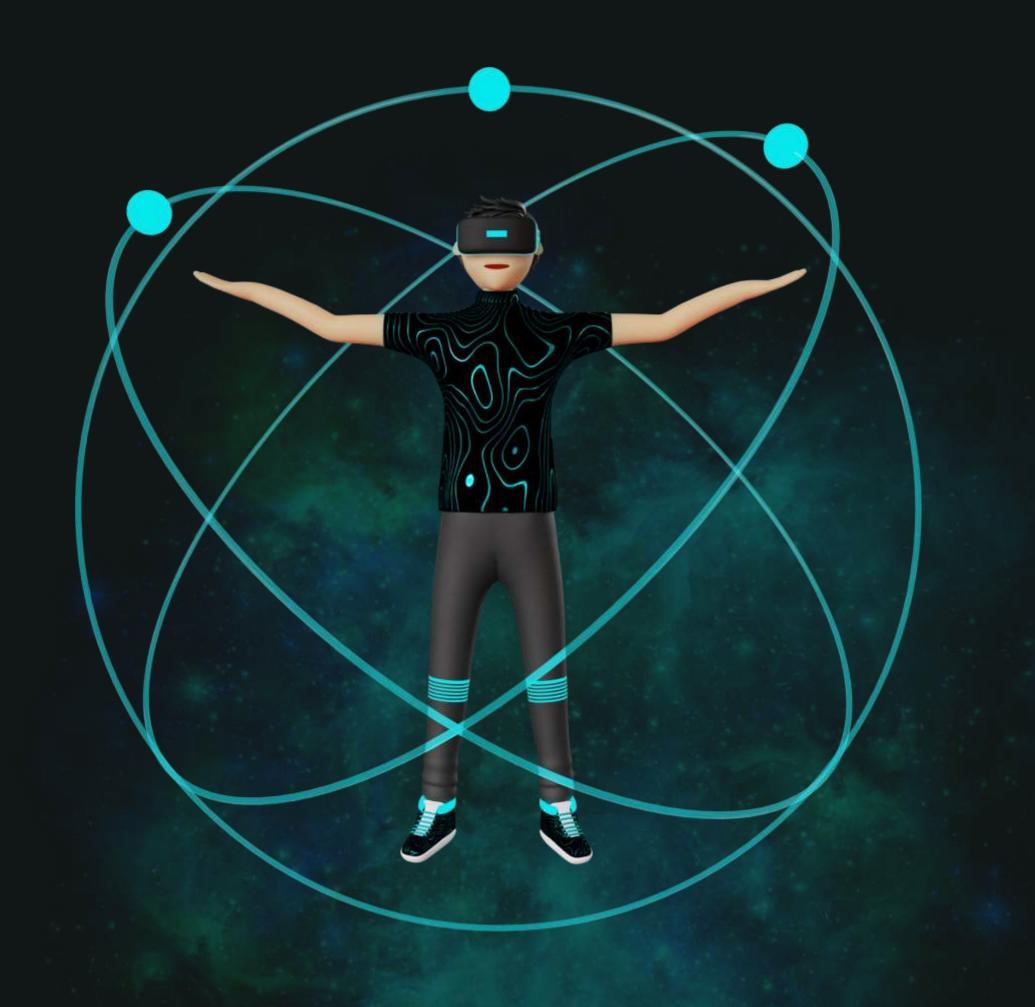
What kind of metrics can be tracked in VR?

HAND-TRACKING





BODY TRACKING





HEAD-TRACKING

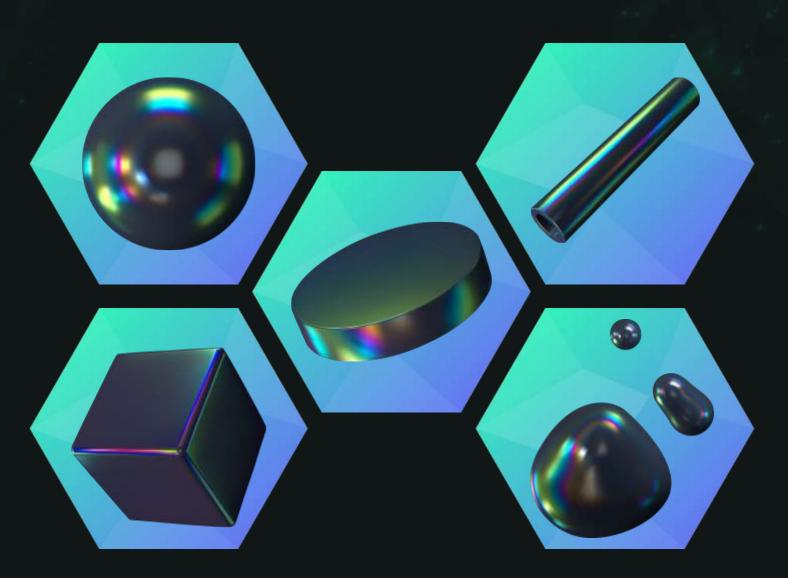




GAZE TRACKING



INTERACTION WITH THE VIRTUAL WORLD



FACIAL TRACKING



SPEECH-ANALYSIS



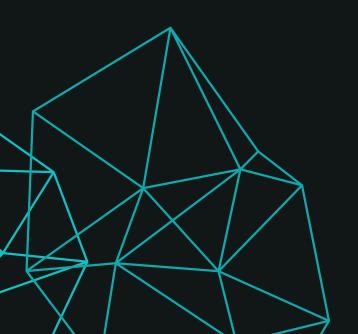
EXTERNAL TRACKING INSTRUMENTS





TIME TRACKING







COMBINATIONS

How to get relevant information out of these VR metrics?

EXAMPLE: DOCTOR PATIENT INTERACTION



1

PUTTING ON GLOVES

Body/Hand Tracking
+ Virtual Gloves

+ Before Entering Room

2

EYE CONTACT

Gaze Tracking

+ Time Tracking

3

LOOKING FRIENDLY

Facial Tracking

+ Time Tracking

4

GREETING OF PATIENT

Say 'Hello'

+ Before Examination of Virtual Patient

5

GIVING A SHOT

Physical Syringe with VR Tracker + Virtual Patient

6

USE OF STETHOSCOPE

Hand Tracking

- + Virtual Stethoscope
 - + Virtual Patient



AUTOMATIC FEEDBACK

How to give automatic feedback from these VR metrics?

RULE BASED AI

IF THIS ... THEN THAT...

AND / OR / NOT

SMALLER THAN / BIGGER THAN

NUMERICAL VALUES

TASK 1 BEFORE TASK 2





THANK YOU!

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