FINDOSSIBLE CREATIONS

OPTINIZESS USER MANUAL

To QUIGIS GUIDE

2. COMPONENTS DESCRIPTION

3. USING OPTIMIZERS

4. OPTIMIZATION METHODS & PRESETS

5 ADVANCED FEATURES

INTRODUCTIONS

OPTIMIZERS IS PAGRAGE WITH COMPONENTS
WHIGH WILL GIVE YOU POSSIBILITY TO
GHANGE QUALITY SETTINGS OF DIFFERENT
COMPONENTS WHEN THEY ARE FAR FROM
GAMERA, WHEN GAMERA IS NOT LOOKING AT
THEM, OR WHEN OBJECTS ARE BEHIND WALLS

THIS SYSTEM IS USING GULLING GROUPS API AND OTHER SMART WAYS TO DETECT MOMENTS IN WHICH SETTINGS SHOULD BE GHANGED TO GIVE YOU MORE FPS!

IF YOU WILL LIKE THIS PAGNAGE PLEASE WISH PAGE ON ASSET STORE AND RATE OR WRITE REVIEW D)



7/5-QUICK GUIDE

TO USE OPTIMIZERS SIMPLY Add component TO YOUR CAME OBJECT. AFTER THAT OPTIMIZER IS AUTOMATICALLY TRYING TO FIND COMPONENTS FOR OPTIMIZATION ATTACHED TO THIS OBJECT. IF THERE IS NO COMPONENT TO OPTIMIZE IT IS TRYING TO FIND THEM IN CHILDREN.



BASIC OPTIMIZER IS THE MOST UNIVERSAL COMPONENT TO USE ON THE OBJECTS.

IF YOU WANT OPTIMIZE OBJECT WHEN BEHIND OBSTACIES THEN USE ONE WITH DETECTION.

WITH OPTIMIZERS MANAGER YOU GAN DEFINE SOME WORLD RULES HELPING GORREGT OPTIMIZING.

INSPECTOR WINDOW FOR OPTIMIZER COMPONENT IS CAREFULLY DESIGNED TO MAKE YOU FOCUS ON RIGHT MODULES STEP BY STEP.

AT FIRST THERE ARE PARAMETERS FOR DETECTION
THEN SELECTING COMPONENTS TO OPTIMIZE
AND FINALLY LODS/QUALITY SETTINGS.

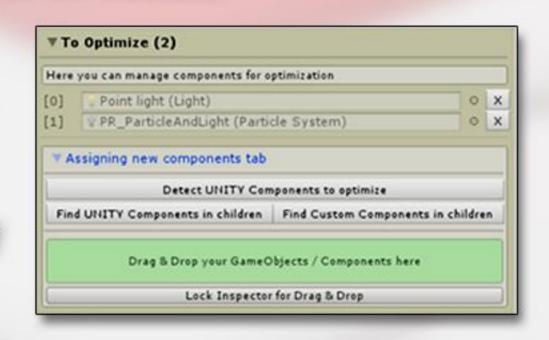
GHOOSE YOUR OPTIMIZATION METHOD, DETECTION BEHAVIOUR AND CONFICURE TO FIT WITH YOUR OBJECTS

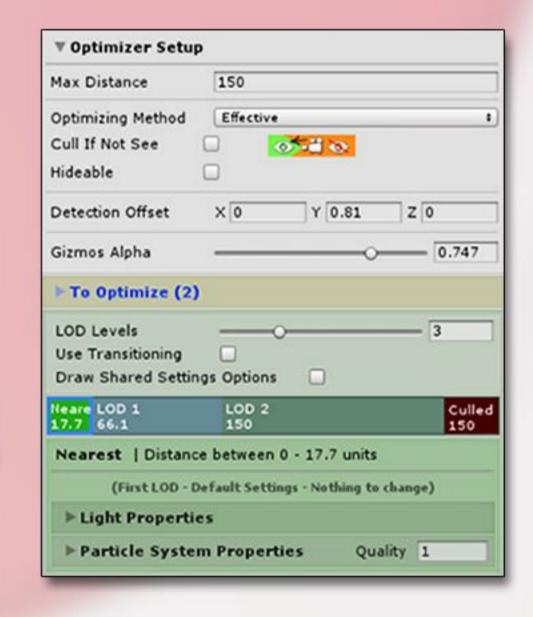
DEFINE HOW MANY LOD (QUALITY) LEVELS YOU WANT TO USE. YOU GAN GHANGE LOD LEVELS SMOOTHLY WITH TRANSITIONS.

EVERY TIME YOU GHANGE COUNT OF LOD LEVELS THERE ARE AUTOMATICALLY GENERATIED QUALITY SETTINGS FOR THIS GOUNT WHIGH YOU GAN FREELY MODIFY

CLOUD IS STICKTEUT FOR LEVEL OF DETINING

BY DEFINITION OPTIMIZED IS
SERROLLING ONLY FOR UNITY
COMPONENTS BUT YOU GEN
PUT HERE GUSTIOM
MONOBEHAVIOURS BY
DRAGEDROP TO FIELD INSIDE
TO OPTIMIZE THE









215 - COMPONENTS DESCRIPTIONS



OPTIMIZERS MANAGER IT'S HANDLING UPDATE OF DYNAMIC OPTIMIZATION, ADAPTING TO CAME PERFORMANCE AND HNADLING SMOOTH TRANSITIONING BETWEEN LOD LEVELS.

IT'S RECOMMENDED TO USE PERSIST THROUGH SCENES' SO IT WILL STILL EXIST WHEN YOU WILL CHANGE SCENES DURING CAMERIAN BUT IT WILL BE CENERATED AUTOMATICALLY ANYWAY WHEN NEEDED AND NOT EXISTING YET. THERE ARE SOME PARAMETERS INSIDE IT YOU NEED CONFIGURE TO MAKE IT FIT TO YOUR CAME WORLD.



OPTIMIZER BASIC OPTIMIZER COMPONENT WITH POSSIBILITIES TO GULLS
OBJECT OR CHANGE LOD QUALITY SETTINGS IN DEFINED DISTANCE LEVELS OR
HIDE WHEN CAMERA WILL LOOK IN DIFFERENT DIRECTION.

THIS COMPONENT HAVE ALL OPTIMIZANG METHODS AVILABLE TO USE. YOU GAN GULL STATIC AND DYNAMIC OBJECTS AND DEFINE VISIBILITY DETECTION (WHEN GAMERA LOOKING AWAY) WITH ONE SIMPLE SHAPE.

CHILDE MEANS APPLYING ADDITIONAL LOD LEVEL WHERE YOU CAN SET IF YOU WANT TO DEAGUVANE FULL OBJECT OR JUST SINGLE COMPONENTS



OPTIMIZER COMPLEX SHAPE SAME LIKE DEFAULT OPTIMIZER BUT OPTIMIZATION METHODS LIKE 'DYNAMIC' OR 'TRICGER BASED' ARE NOT AVAIABLE (METHOD 'EFFECTIVE' IS ANYWAY THE BEST FOR DYNAMIC OBJECTS)

THIS COMPONENT CIVES POSSIBILITY TO BUILD DETECTION SHAPE FROM MULTIPLE SPHERES FOR MORE DETAILED WORK, IT FEATURES TOOLS TO EASILY GREATE SPHERE STRUCTURE ON MESHES SHAPE.



OPTIMIZER OBSTROLE DETECTIONS SAME LIKE DEFAULT OPTIMIZER BUT OPTIMIZATION METHOD LIKE "STATIG" IS NOT AVAILABLE.

THIS COMPONENT CIVES POSSIBILITY OF HIDING OBJECT WHEN IT IS BEHIND WALL (YOU GAN DEFINE IF HIDDEN OBJECT SHOULD BE DEAGTIVATED OR STILL MOVE ETG.)

UT GAN BRING BIG PERFORMANGE BOOST BUT USE IT VISELY.
DON'T USE IT ON OBJECTS WHIGH PUTS ONLY TINY PRESSURE OVER GAME
PERFORMANGE BEGAUSE DETECTION GOULD TAKE MORE GPU THAN OBJECT ITSELF.
DEFINE GOUNT AND SHAPE OF DETECTION RAYS TO BE MOST EFFECTIVE FOR YOUR OBJECT.



TERRAIN OPTIMIZED COMPONENT DESIGNED TO SUPPORT OPTIMIZATION OF UNITA TERRAINS. IT HAVE UNIQUE GIZMOS WISIBLE ON SCENE WIEW TO HELP YOU SET IT UP TO YOUR PROJECT NEEDS.

IT SHOULD BE USED ONLY WHEN YOUR CAME IS USING MULTIPLE TERRAINS. YOU CAN EFFECTIVELY SWITCH QUALITY SETTINGS OF TERRAINS WHEN IT'S OUT OF CAMERA WEW OR IN CERTAIN DISTANCE FROM NEAREST POINT OF IT.

QUALITY SETTINGS FOR DIFFERENT LEVELS ARE GENERATED AUTOMATICALLY BUT YOU GAN FREELY MODIFY THEM.

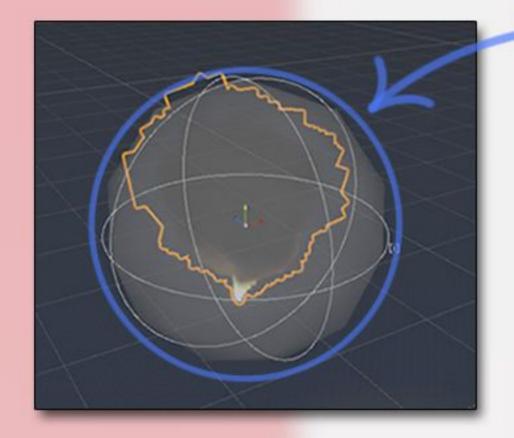


3 / 5 - USING OPTIMIZERSE

AFTER ADDING OPTIMIZER TO YOUR OBJECT.
YOU MUST CONFIGURE IT'S BEHAVIOUR.

FIRST SET MAX DISTANCE, IF CAMERA WILL BE OUT OF RED SPHERE WHICH IS WISIBLE IN GEAMOS, OBJECT CAN BE DEACTIVATED AND NOT USED ANYMORE UNTIL CAMERA STEPS A CAIN INTO DISTANCE RANGE SPHERE.



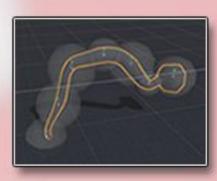


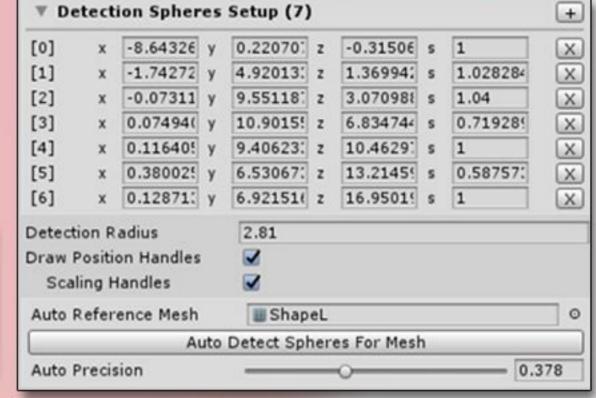
IF YOU WANT TO GHANGE QUALITY SETTINGS
WHEN OBJECT IS NOT VISIBLE IN GAMERA VIEW,
(VERY USEFUL FOR PARTICLE SYSTEM OPTIMIZATION)
THEN USE GULL IF NOT SEE TOGGLE.
NOW YOU HAVE TO DEFINE DEVECTION SHAPE.
IF THIS SHAPE WILL BE VISIBLE IN GAMERA VIEW,
THEN OBJECT WILL USE LODS, IF NOT - HIDDEN

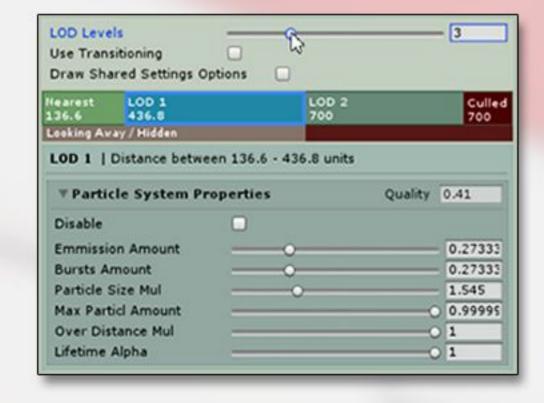
CHIDDEN MEANS APPLYING ADDITIONAL LOD LEVEL WHERE YOU GAN SET IF YOU WANT TO DEAGUIVATE FULL OBJECT OR JUST SINGLE COMPONENTS

IF SINGLE SPHERE CAN'T DESCRIBE SHAPE OF YOUR OBJECT ENOUGH, YOU CAN USE OPTIMIZER COMPLEX SHAPE COMPONENT TO GREATE SHAPE FROM MULTIPLE SPHERES OR DO IT AUTOMATICALLY BASING ON GERTAIN MESH.

(UPGOMING FEATURE)
YOU GAN GREATE DYNAMIC SHAPE
USING TRANSFORM TO GOLE, THEN ONLY
"EFFECTIVE" METHOD WILL BE AVAIABLE.
YOU GAN USE IT FOR EXAMPLE ON
BONES OF SKINNED MESHES.





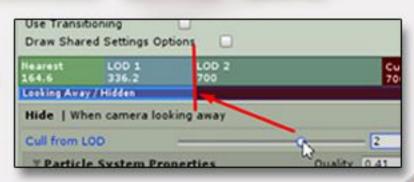


CHANGE LOD LEVELS COUNT FROM I TO & WITH COUNTED THERE WILL BE ONLY ACTIVE AND GULLED STATES (EVERY TIME YOU CHANGE LOD LEVELS AUTOMATIC SETTINGS WILL BE CENERATED)

CHAIS ON LOD SQUARES TO WELL SETTINGS FOR GERTAIN

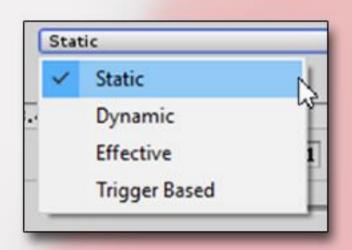
DISTINGE LEVEL IF VOU HAVE ENABLED "GULL IF NOT SEE" OR "HIDEABLE" VOU GAN AGGESS ADDITIONAL "HIDDEN" SLOT.

WHEN CONDITIONS ARE MELL



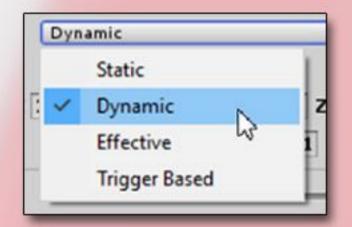


4 / 5 - OPTIMIZATION METHODS & PRESETSE



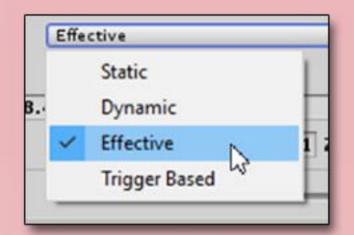
STATION THIS METHOD IS USING JUST GULLING GROUPS APIL YOU GAN HIDE OBJECT IF IT IS NOT UISIBLE IN GAMERA WIEW AND SET UP DISTANCE LEVELS FOR LODS.

CAME OBJECT DON'T NEED TO BE MARKED AS STATIC, OBJECT CAN MOVE AROUND BUT SHOULDN'T LEAVE DETECTION SHAPE (SPHERE)



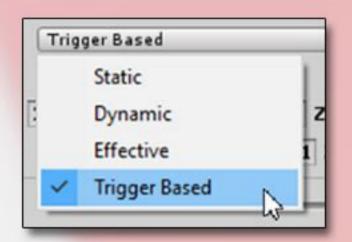
DVNIAMICE CAN BE USED ON OBJECTS WHICH ARE MOVING IN WORLDS SPACE.
DETECTION SHAPE THIS TIME ISN'T SPHERE BUT BOX.

THIS OPTIMIZATION METHOD GAN GIVE THE BEST PERFORMANCE BUT ENABLING OBJECTS BACK WHEN CAMERA SEES IT ACAIN OR WHEN OBJECT ENTERS NEW LOD RANGE CAN BE DEVAVED WHICH COULD BE UNWANTED!



THE COURS REGEOMENDED METHOD TO USE UNIVERSALLY WITH OPTIMIZERS.
IT IS USING CULLING GROUPS API AND UPDATES IT WITH DYNAMIC'S METHODS.

UT'S QUICK, CAN BE USED WITH DYNAMIC OBJECTS AND SOLVES PROBLEM WITH DEVAMED SWITCHING OF LOD LEVELS AND HIDING.



USING JUST TRICGER GOLLIDERS. THEORETICALLY THIS METHOD SHOULDN'T PUT ANY PRESSURE OVER GPU WITH "GULL IF NOT SEE" UNITOGGLED.

PREFILE SOME ENGINE UMITATIONS GREATING PREFILE OBJECTS WILL ERASE SETTINGS DONE BEFORE GREATING PREFILE.

BUT WHEN YOU ALREADY HAVE PREFAB, ALL GHANGES WILL BE STORED INSIDE PREFAB ASSET FILE.

YOU GAN SAVE LOD SETVINGS FOR GERTAIN
COMPONENT INSIDE FILE AND ASSIGN IT TO
OTHER OPTIMIZER, THEN YOU ARE ABLE TO
SHARE SAME SETVINGS OVER WHOLE PROJECT
AND MODIFY ALL SIMULTANEOUSLY.

USE "DRAW SHARED SETTINGS" TOGGLE
TO SEE SPEGAL PRESETS OPTIONS.

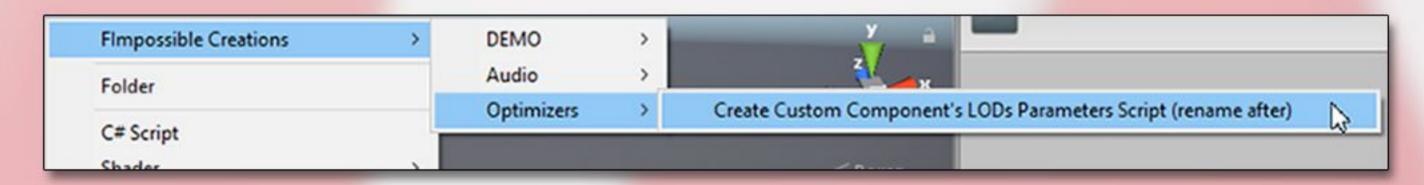
LOD Lev Use Trai	els nsitioning		•	4	
Draw Sh	nared Setti	ngs Optio	ns 🗹		
Nearest LOD 1 LOD 22.8 46.8 75.4		LOD 2 75.4	LOD 3 135	Culle 135	
LOD 2	Distance	between 4	16.8 - 75.4 units		
▼ Ligh	t Propert	ies			
Shared LOD Set		1000	None (F Optimizer_LOD Settil ◎ New		
Disable					
Shadows Mode			Hard		
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▼ Part	icles Pro	perties		Quality 1	
Shared LOD Set		3	⊕LS_ParticleSystem (4 LODs) (f ○ X		
Disable					
Emmiss	ion Amou	nt -		0.5	
Bursts	Amount	-	•	0.5	
Particle	Size Mul	100		1,375	



5/5-ADUANCED FEATURES

IF YOU ARE GODER YOU GAN EASILY IMPLEMENT GUSTOM COMPONENTS SUPPORT TO OPTIMIZERS SYSTEMS

SIMPLY HIT RIGHT MOUSE BUTTON SOMEWHERE IN YOU PROJECT AND



NAME NEW FILE WITH YOUR TARGET COMPONENT'S NAME

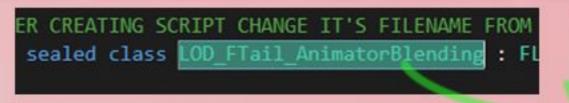
THERE WILL BE GENERATED GODE USING NAME OF YOUR COMPONENT AS PART OF IT SO YOU WILL HAVE ONLY FEW GODE-EDIT THINGS TO DO.



INSIDE SCRIPT FILE THERE WILL BE A LOT OF GUIDE TEXTS AND DESCRIPTIONS WHAT AND WHERE YOU HAVE TO DO.

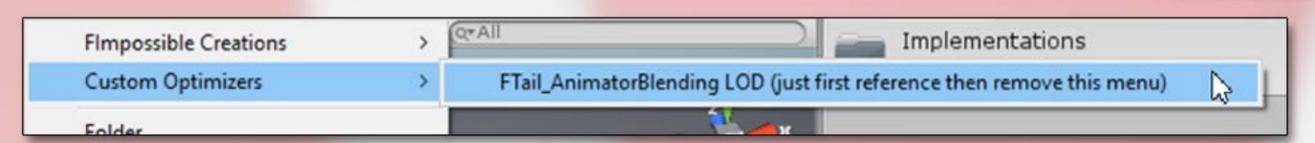
DEFINE VARIABLES VOU WANT TO GHANCE INSIDE VOUR LOD SETTINGS.
FILL CODE WITH THEM TO CORRECTLY IMPLEMENT ALL NEEDED FEATURES.

NOW RENAME GREATED FILE
WITH GLASS NAME INSIDE FILE





AFTER THAT HIT RICHT MOUSE BUTTON AGAIN AND SELECTE



NEEDS TO BE PLAGED IN OPTIMIZERS
MANAGER "GUSTOM COMPONENTS
DEFINITION" UST.





THEN AFTER DETECTING YOUR COMPONENT ADDED TO OBJECT OPTIMIZERS WILL USE YOUR GUSTOM GLASS TO SERVE ITH

