FINDOSSIBLE CREATIONS



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INTRODUCTIONS

OPTIMIZERS IS PAGRAGE WITH COMPONENTS WHICH 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 WALL.

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

IF YOU WILL LIME THIS PAGMAGE PLEASE WAIT PAGE ON ASSET STORE AND RATE OR WRITE REWEW D



7/5-QUICK GUIDE

TO USE OPTIMIZERS SIMPLY Add component TO YOUR GAME 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.

OBSTAGLES THEN USE ONE WHILI DETECTION.

WORLD RULES HELPING GORRECT OPTIMIZING.

INSPECTOR WINDOW FOR OPTIMIZER COMPONENT IS GIREFULLY 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.

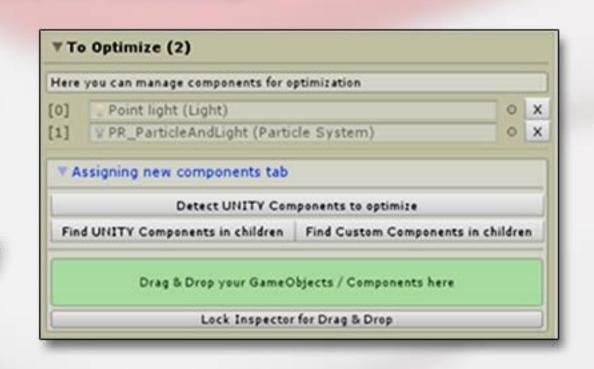
CHOOSE YOUR OPTIMIZATION METHOD, DETECTION BEHAVIOUR AND CONFICURE TO FIT WITH YOUR OBJECT.

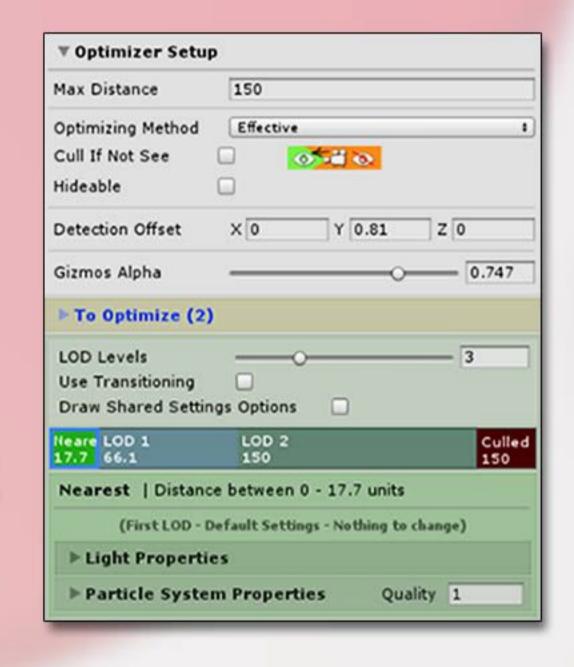
DEFINE HOW MANY LOD (QUALITY) LEVELS YOU WANT TO USE. YOU GAN GHANGE LOD LEVELS SMOOTHLY WITH TRANSTITIONS.

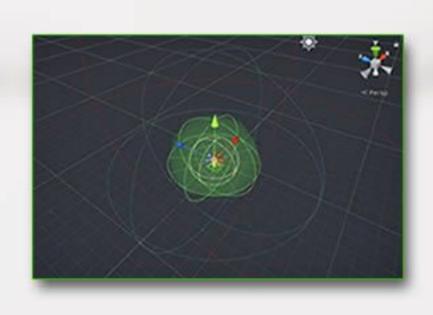
EVERY TIME YOU GHANGE COUNT OF LOD LEVELS THERE ARE AUTOMATICALLY GENERATED QUALITY SETTINGS FOR THIS COUNT WHIGH YOU GAN FREELY MODIFY

CLOUD IS STICKTEUT FOR LEVEL OF DETINING

BY DEFINIT OPTIMIZER IS
SELRGIING ONLY FOR UNITY
COMPONENTS BUT YOU GIN
PUT HERE GUSTOM
MONOBEHAVIOURS BY
DRAGGOROF TO FIELD INSIDE
TO OPTIMIZE TABLE









215-COMPONENTS DESCRIPTIONS



OPTIMIZATION, ADAPTING TO GAME PERFORMANCE AND HNADUNG SMOOTH TRANSITIONING BETWEEN LOD LEVELS.

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



OPTIMIZARE BASIC OPTIMIZER COMPONENT WITH POSSIBILITIES TO CULLO 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 OBLECTS AND DEFINE VISIBILITY DETECTION (WHEN CAMERA LOOKING AWAY) WITH ONE SIMPLE SHAPE.

CHILDE MEANS TURNING OFF COMPONENTS/CAME OBJECT
CHILDE MEANS APPLYING ADDITIONAL LOD LEVEL WHERE YOU CAN SET IF YOU WANT TO
DEAGUNATE FULL OBJECT OR JUST SINGLE COMPONENTS



OPTIMIZATION METHODS LIKE DVNAMIC OR TRICGER BASED ARE NOT AVAIABLE (METHOD TEREGULT'S ANYWAY THE BEST FOR DVNAMIC OBJECTS)

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



OPTIMIZER OBSTRUCTE 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 CAN DEFINE IF HIDDEN OBJECT SHOULD BE DEACHWATED 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 COULD TAKE MORE GPU THAN OBJECT ITSELF.

DEFINE COUNT AND SHAPE OF DETECTION RAYS TO BE MOST EFFECTIVE FOR YOUR OBJECT.



TERRINI OPTIMIZER COMPONENT DESIGNED TO SUPPORT OPTIMIZATION OF UNITY TERRAINS. IT HAVE UNIQUE CIZMOS UISIBLE ON SCENE WELL 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 WIEW OR IN CERTAIN DISTANCE FROM NEAREST POINT OF IT.

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

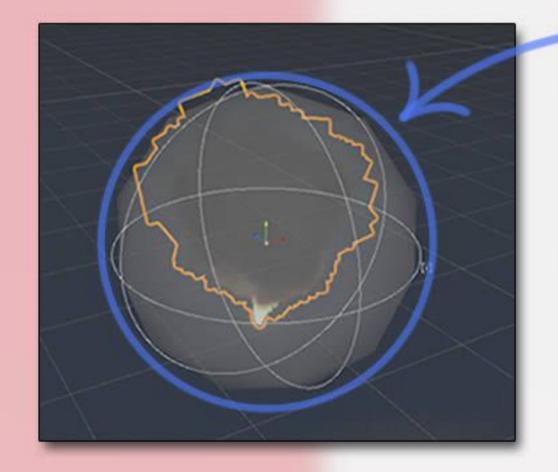


3 / 5 - USING OPTIMIZERSH

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

FIRST SET MAN DISTANCE, IF CAMERA WILL BE OUT OF RED SPHERE WHICH IS USIBLE IN GIZNOS, OBJECT CAN BE DEACTIVATED AND NOT USED ANYMORE UNTIL CAMERA STEPS AGAIN INTO DISTANCE RANGE SPHERE.





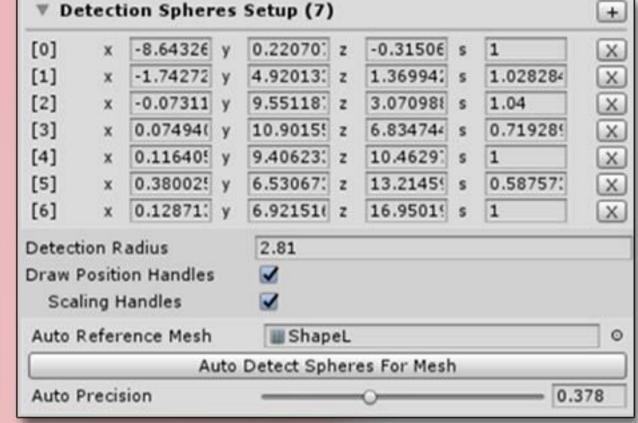
IF YOU WANT TO GHANGE QUALITY SETTINGS
WHEN OBJECT IS NOT VISIBLE IN CAMERA VIEW,
(VERY USEFUL FOR PARTICLE SYSTEM OPTIMIZATION)
THEN USE GULL IF NOT SEE TOCCLE.
NOW YOU HAVE TO DEFINE DETECTION SHAPE.
IF THIS SHAPE WILL BE VISIBLE IN CAMERA VIEW,
THEN OBJECT WILL USE LODS, IF NOT - HIDDEN

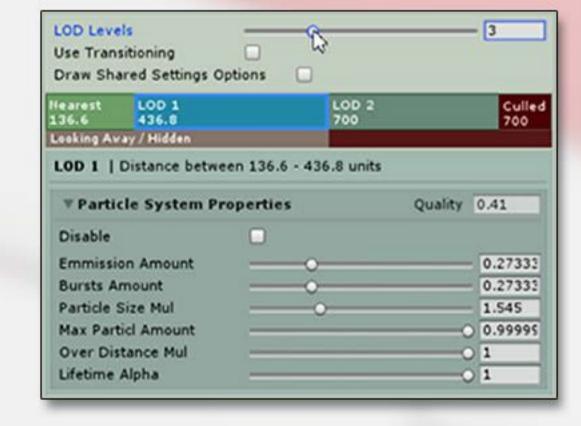
VOU WANT TO DEAGUIVATE FULL OBJECT OR JUST SINGLE COMPONENTS

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 GREATTE DYNAMIC SHAPE
USING TRANSFORM TOGGLE, THEN ONLY
"ELLECTIVE" METHOD WILL BE AVAIABLE.
YOU GAN USE IT FOR EXAMPLE ON
BONES OF SKINNED MESHES.







GHANGE LOD LEVELS GOUNT FROM T TO BE WITH GOUNTED THERE WILL BE ONLY ACTIVE AND GULLED STATE.

(EVERY TIME YOU GHANGE LOD LEVELS AUTOMATIC SETTINGS WILL BE GENERATED)

DEFINE TRANSITION TIME FOR SMOOTH GHANGING LOD LEVELS.

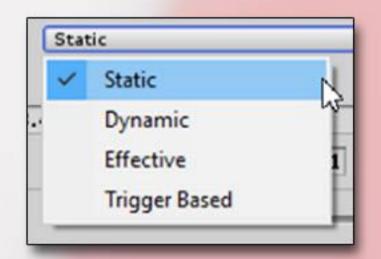
CLICKS ON LOD SQUARES TO WEW SETTINGS FOR CERTAIN
DISTANCE LEVEL, IF VOU HAVE ENABLED "COUL IF NOT SEE" OR
"HIDEABLE" VOU CAN ACCESS ADDITIONAL "HIDDEN" SLOT.

TOU GAN DEFINE IN WHIGH DISTANCE
HIDDEN SETTINGS SHOULD BE APPLIED
WHEN CONDITIONS ARE MET.



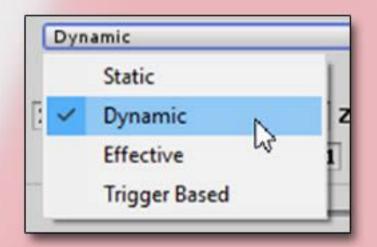


4 / 5 - OPTIMIZATION METHODS & PRESETSE



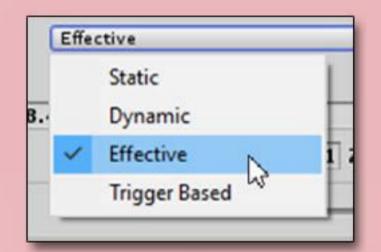
STATION THIS METHOD IS USING JUST GUILING GROUPS APIL VOU GAN HIDE OBJECT IF IT IS NOT UISIBLE IN GAMERA WEW AND SET UP DISTANCE LEVELS FOR LODS.

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



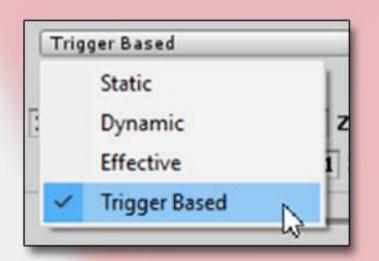
DYNAMICE CAN BE USED ON OBJECTS WHICH ARE MOVING IN WORLDS SPACE.
DETECTION SHAPE THIS TIME ISN'T SPHERE BUT BOXL

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



THE USING CULTING GROUPS API AND UPDATES IT WITH DYNAMIC'S METHODS.

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



TRICCER BUSED (EXPERIMENTALL) & DIFFERENT APPROACH FOR OPTIMIZATION USING JUST TRICCER GOLLIDERS. THEORETICALLY THIS METHOD SHOULDN'T PUT ANY PRESSURE OVER GPU WITH "GULL IF NOT SEE" UNTOGGLED.

WHEN YOU'RE NOT USING PREFAB, LOD SETTINGS WILL BE STORED IN SCENE CAME OBJECT.

WHEN YOU GREATE PREFAB, ALL LOD SETTINGS
WILL BE STORED INSIDE PREFAB ASSET FILE.

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

USE "DRAW SHARED SETTINGS" TOCCUE TO SEE SPECIAL PRESETS OPTIONS.

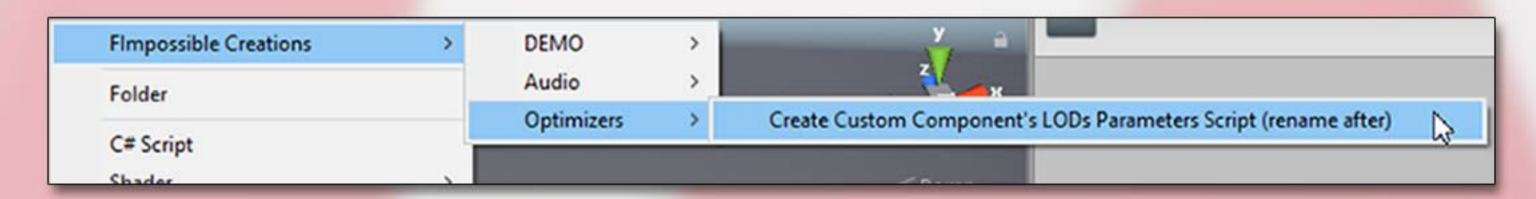
LOD Levels Use Transitioning			4		
Draw Sh	ared Setti	ngs Options	☑		
Nearest 22.8	LOD 1 46.8	LOD 2 75.4	LOD 3 135	Culled 135	
LOD 2	Distance	between 46.8	- 75.4 units		
▼ Ligh	t Propert	les			
			(F Optimizer_LOD S	ettii © New	
Disable					
Shadows Mode Hard Shadows Strength					
				_01	
Render	Mode	Auto		•	
▼ Particles Properties		Qua	lity 1		
Shared LOD Set		⊚ LS	②LS_ParticleSystem (4 LODs) (F ○ 		
Disable					
Emmiss	ion Amour	nt	0	0.5	
Bursts /	Amount	_		0.5	
Particle Size Mul		-0	1.375		



5/5-ADUANCED FEATURES

IF YOU ARE CODER YOU CAN EASILY IMPLEMENT CUSTOM COMPONENTS SUPPORT TO OPTIMIZERS SYSTEM!

SIMPLY WIT RIGHT MOUSE BUTTON SOMEWHERE IN YOU PROJECT AND



NAME NEW FILE WITH YOUR TARGET COMPONENT'S NAME

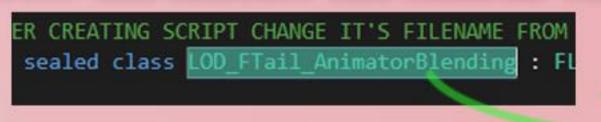
THERE WILL BE GENERATED GODE USING NAME OF YOUR GOMPONENT AS PART OF IT SO YOU WILL HAVE ONLY FEW GODE-EDIT THINGS TO DO.



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

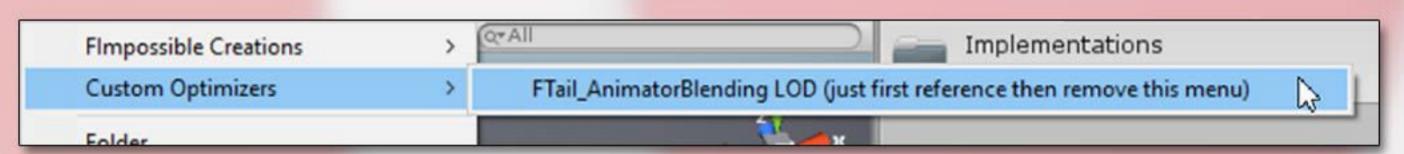
DEFINE VARIABLES VOU WANT TO GHANGE INSIDE VOUR LOD SETTINGS,
FILL GODE WITH THEM TO GORREGILY IMPLEMENT ALL NEEDED FEATURES.

NOW RENAME GREATED FILE
WITH GUISS NAME INSIDE FILE





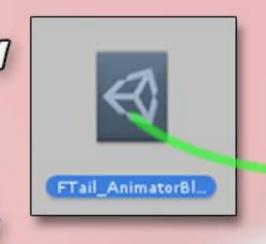
AFTER THAT HIT RIGHT MOUSE BUTTON AGAIN AND SELECTE

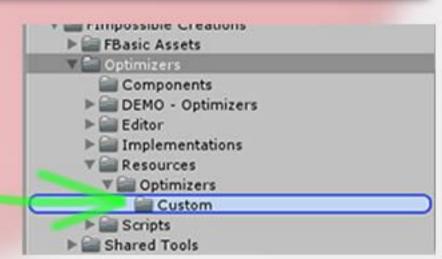


IT WILL GREATE REFERENCE FILE WHICH
NEEDS TO BE PLACED IN DIRECTORY
RESOURCES/OPTIMIZERS/CUSTOM

(THERE CAN BE MULTIPLE "RESOURCES DIRECTORIES INSIDE PROJECT, YOU CAN CREATE OWN FOLDER PATH FOR CUSTOM LOD TYPES)

THEN AFTER DETECTING YOUR GOMPONENT ADDED TO OBJECT OPTIMIZERS WILL USE YOUR GUSTOM GLASS TO SERVE IT!





▼ To Optimize	(1)			
Here you can man	age componer	nts for optimization		
[0] OPR_Part	ticleSystem	(FTail_AnimatorBlending)	0 >	
Nearest 150.4	LO:		Culled 435	
LOD 1 Distan	ce between	150.4 - 434.8 units		
▼ Tail Anima	tor Blendin	g Properties		
Disable				
Tail Animator_Param			0.5	
Tail Animator_Param 2		10		
Tail Animator_Bool		€		