

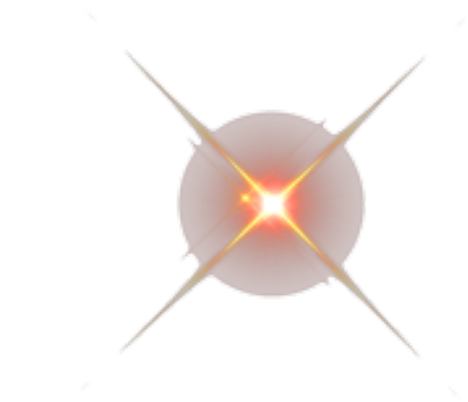
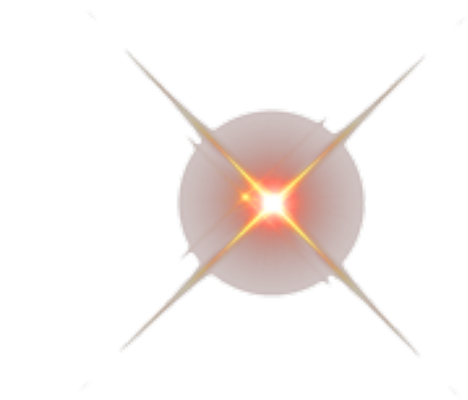
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CREATOR BLOB

sudo-self/space

GALAXY SPACE FORCE

<https://github.com/sudo-self/space>



index.html style.css
 script.js

1. style.css

```
body {  
    margin: 0;  
    overflow: hidden;  
    width: 100vw;  
    height: 100vh;  
    background-image: url(https://<any  
space photo you choose goes here>);  
    background-size: cover;  
    backdrop-filter: brightness(50%);  
}  
  
canvas {  
    display: block;  
}  
  
#canvas_container {  
    width: 100%;  
    height: 100vh;  
}
```

```
button {
    position: absolute;
    bottom: 5%;
    left: 50%;
    transform: translateX(-50%);
    border: 1px solid white;
    border-radius: 5px;
    font-size: 0.9rem;
    padding: 0.5rem 0.9em;
    background: #000000;
    color: white;
    -webkit-font-smoothing: antialiased;
    font-weight: bold;
    cursor: pointer;
    transition: all .3s;
}

button:hover {
    background: #ffffff;
    color: #000000;
}
```

2. index.html

```
<!DOCTYPE html>

<html lang="en" >
```

```
<head>

  <meta charset="UTF-8">

  <title>JEDI FORCE BLOB</title>

  <meta name="viewport"
content="width=device-width, initial-
scale=1"><link rel="stylesheet" href="./
style.css">

</head>

<body>

<div id="canvas_container"></div>

  <script src='https://cdn.jsdelivr.net/
npm/three@0.121.1/build/three.min.js'></
script>
```

```
<script src='https://cdn.jsdelivr.net/
npm/three@0.121.1/examples/js/controls/
OrbitControls.js'></script>
<script src='https://
cdnjs.cloudflare.com/ajax/libs/simplex-
noise/2.4.0/simplex-noise.min.js'></
script><script src="./script.js"></
script>

</body>
</html>
```

3. script.js

```
let renderer,
scene,
```

```
camera,  
sphereBg,  
nucleus,  
stars,  
controls,  
container =  
document.getElementById("canvas_container  
"),  
timeout_Debounce,  
noise = new SimplexNoise(),  
cameraSpeed = 0,  
blobScale = 3;  
  
init();  
animate();
```

```
function init() {  
    scene = new THREE.Scene();  
  
    camera = new  
THREE.PerspectiveCamera(55,  
window.innerWidth / window.innerHeight,  
0.01, 1000)  
    camera.position.set(0,0,230);  
  
    const directionalLight = new  
THREE.DirectionalLight("#fff", 2);  
    directionalLight.position.set(0, 50,  
-20);  
    scene.add(directionalLight);  
  
    let ambientLight = new
```

```
THREE.AmbientLight("#ffffff", 1);

    ambientLight.position.set(0, 20, 20);

    scene.add(ambientLight);

    renderer = new THREE.WebGLRenderer({
        antialias: true,
        alpha: true
    });

    renderer.setSize(container.clientWidth,
        container.clientHeight);

    renderer.setPixelRatio(window.devicePixel
        Ratio);

    container.appendChild(renderer.domElement
    );
```



```
//OrbitControl

controls = new

THREE.OrbitControls(camera,

renderer.domElement);

controls.autoRotate = true;

controls.autoRotateSpeed = 4;

controls.maxDistance = 350;

controls.minDistance = 150;

controls.enablePan = false;

const loader = new

THREE.TextureLoader();

const textureSphereBg =

loader.load('https://i.ibb.co/4gHcRZD/

bg3-je3ddz.jpg');

const texturenucleus =
```

```
loader.load('https://i.ibb.co/hcN2qXk/star-nc8wkw.jpg');

    const textureStar =

loader.load("https://i.ibb.co/ZKsdYSz/p1-g3zb2a.png");

    const texture1 =

loader.load("https://i.ibb.co/F8by6wW/p2-b3gnym.png");

    const texture2 =

loader.load("https://i.ibb.co/yYS2yx5/p3-ttfn70.png");

    const texture4 =

loader.load("https://i.ibb.co/yWfKkHh/p4-avirap.png");

/*  Nucleus  */
```

```
    texturenucleus.anisotropy = 16;

    let icosahedronGeometry = new
THREE.IcosahedronGeometry(30, 10);

    let lambertMaterial = new
THREE.MeshPhongMaterial({ map:
texturenucleus });

    nucleus = new
THREE.Mesh(icosahedronGeometry,
lambertMaterial);

    scene.add(nucleus);

    /*      Sphere Background      */

    textureSphereBg.anisotropy = 16;

    let geometrySphereBg = new
THREE.SphereBufferGeometry(150, 40, 40);

    let materialSphereBg = new
```

```
THREE.MeshBasicMaterial({
    side: THREE.BackSide,
    map: textureSphereBg,
});

sphereBg = new
THREE.Mesh(geometrySphereBg,
materialSphereBg);

scene.add(sphereBg);

/*    Moving Stars    */

let starsGeometry = new
THREE.Geometry();

for (let i = 0; i < 50; i++) {
    let particleStar =
randomPointSphere(150);
```

```
        particleStar.velocity =  
THREE.MathUtils.randInt(50, 200);  
  
        particleStar.startX =  
particleStar.x;  
  
        particleStar.startY =  
particleStar.y;  
  
        particleStar.startZ =  
particleStar.z;  
  
starsGeometry.vertices.push(particleStar)  
;  
  
    }  
  
    let starsMaterial = new  
THREE.PointsMaterial({
```

```
        size: 5,  
        color: "#ffffff",  
        transparent: true,  
        opacity: 0.8,  
        map: textureStar,  
        blending: THREE.AdditiveBlending,  
    });  
  
    starsMaterial.depthWrite = false;  
  
    stars = new  
THREE.Points(starsGeometry,  
starsMaterial);  
  
    scene.add(stars);  
  
    /*      Fixed Stars      */  
  
    function createStars(texture, size,  
total) {
```

```
        let pointGeometry = new
THREE.Geometry();

        let pointMaterial = new
THREE.PointsMaterial({
            size: size,
            map: texture,
            blending:
THREE.AdditiveBlending,
        });

        for (let i = 0; i < total; i++) {
            let radius =
THREE.MathUtils.randInt(149, 70);

            let particles =
randomPointSphere(radius);

pointGeometry.vertices.push(particles);
```

```

        }

        return new
THREE.Points(pointGeometry,
pointMaterial);
    }

    scene.add(createStars(texture1, 15,
20));

    scene.add(createStars(texture2, 5,
5));

    scene.add(createStars(texture4, 7,
5));

function randomPointSphere (radius) {

    let theta = 2 * Math.PI *
Math.random();

    let phi = Math.acos(2 *

```



```
Math.random() - 1);

    let dx = 0 + (radius *
Math.sin(phi) * Math.cos(theta));

    let dy = 0 + (radius *
Math.sin(phi) * Math.sin(theta));

    let dz = 0 + (radius *
Math.cos(phi));

    return new THREE.Vector3(dx, dy,
dz);

}

}
```

```
function animate() {
```

```
    //Stars Animation
```

```
stars.geometry.vertices.forEach(function
(v) {
    v.x += (0 - v.x) / v.velocity;
    v.y += (0 - v.y) / v.velocity;
    v.z += (0 - v.z) / v.velocity;

    v.velocity -= 0.3;

    if (v.x <= 5 && v.x >= -5 && v.z
<= 5 && v.z >= -5) {
        v.x = v.startX;
        v.y = v.startY;
        v.z = v.startZ;

        v.velocity =
THREE.MathUtils.randInt(50, 300);
    }
});
```

```
//Nucleus Animation

nucleus.geometry.vertices.forEach(function
n (v) {

    let time = Date.now();

    v.normalize();

    let distance =

nucleus.geometry.parameters.radius +

noise.noise3D(

    v.x + time * 0.0005,

    v.y + time * 0.0003,

    v.z + time * 0.0008

) * blobScale;

    v.multiplyScalar(distance);

})
```

```
nucleus.geometry.verticesNeedUpdate =  
true;
```

```
nucleus.geometry.normalsNeedUpdate =  
true;
```

```
nucleus.geometry.computeVertexNormals();
```

```
nucleus.geometry.computeFaceNormals();
```

```
nucleus.rotation.y += 0.002;
```

```
//Sphere Background Animation
```

```
sphereBg.rotation.x += 0.002;
```

```
sphereBg.rotation.y += 0.002;
```

```
sphereBg.rotation.z += 0.002;
```

```
    controls.update();

    stars.geometry.verticesNeedUpdate =
true;

    renderer.render(scene, camera);

    requestAnimationFrame(animate);
}

/*      Resize      */

window.addEventListener("resize", () => {

    clearTimeout(timeout_Debounce);

    timeout_Debounce =

setTimeout(onWindowResize, 80);

});

function onWindowResize() {

    camera.aspect =
```

```
container.clientWidth /
container.clientHeight;

    camera.updateProjectionMatrix();

renderer.setSize(container.clientWidth,
container.clientHeight);
}
```

```
/*      Fullscreen btn      */
// let fullscreen;
// let fsEnter =
document.getElementById('fullscr');
// fsEnter.addEventListener('click',
function (e) {
//      e.preventDefault();
```

```
//      if (!fullscreen) {  
//          fullscreen = true;  
//  
document.documentElement.requestFullscreen()  
n();  
//          fsEnter.innerHTML = "Exit  
Fullscreen";  
//      }  
//      else {  
//          fullscreen = false;  
//          document.exitFullscreen();  
//          fsEnter.innerHTML = "Go  
Fullscreen";  
//      }  
// });
```

