**Schneeflocken.html**

<!DOCTYPE HTML>

**<html>**

**<head>**

**<meta** **http-equiv**=**"Content-Type"** **content**=**"text/html; charset=iso-8859-1">**

**<title>**Canvas Schnee mittels Double Buffering**</title>**

**<script** **type**=**"text/javascript">**

var canvas = null;

var context = null;

var pufCan = null;

var pufCanCtx = null;

var SfArray = [];

var SfTimer = null;

var max\_Sf = **200**;

**function Sf()**

{

this.x = Math.round(Math.random() \* context.canvas.width);

this.y = -**10**;

this.drift = Math.random();

this.speed = Math.round(Math.random() \* **5**) + **1**;

this.width = (Math.random() \* **3**) + **2**;

this.height = this.width;

}

**function initialisiere()**

{

canvas = document.getElementById('snowCanvas\_Ruediger\_Meyer');

context = canvas.getContext("2d");

pufCan = document.createElement("canvas");

pufCanCtx = pufCan.getContext("2d");

pufCanCtx.canvas.width = context.canvas.width;

pufCanCtx.canvas.height = context.canvas.height;

SfTimer = setInterval(addSf, **200**);

zeichne();

setInterval(animate, **30**);

}

**function addSf()**

{

SfArray[SfArray.length] = new Sf();

if (SfArray.length == max\_Sf)

clearInterval(SfTimer);

}

**function leer()**

{

pufCanCtx.fillStyle = "#ec008e";

pufCanCtx.fillRect(**0**,**0**,pufCanCtx.canvas.width, pufCanCtx.canvas.height);

}

**function animate()**

{

Update();

zeichne();

}

**function Update()**

{

for (var i = **0**;i < SfArray.length;i++)

{

if (SfArray[i].y < context.canvas.height)

{

SfArray[i].y += SfArray[i].speed;

if (SfArray[i].y > context.canvas.height)

SfArray[i].y = -**5**;

SfArray[i].x += SfArray[i].drift;

if (SfArray[i].x > context.canvas.width)

SfArray[i].x = **0**;

}

}

}

**function zeichne()**

{

context.save();

leer();

for (var i = **0**;i < SfArray.length;i++)

{

pufCanCtx.fillStyle = "white";

pufCanCtx.fillRect(SfArray[i].x, SfArray[i].y,

SfArray[i].width, SfArray[i].height);

}

context.drawImage(pufCan, **0**,**0**,pufCan.width, pufCan.height);

context.restore();

}

**</script>**

**</head>**

**<body** **onload**=**"initialisiere()">**

**<canvas id**=**"snowCanvas\_Ruediger\_Meyer"** **width**=**"800"** **height**=**"800"**>

Canvas wird nicht unterstützt, update deinen Browser.

**</canvas>**

**</body>**

**</html>**