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Отчет по лабораторной работе №7

«Javascript»

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```

html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Plots</title>
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0beta/css/bootstrap.min.css"
integrity="sha384-
/Y6pD6FV/Vv2HJnA6t+vsIU6fwYXjCFtcEpHbNJ0lyAFsXTsjBbfaDjzALeQsN6M"
crossorigin="anonymous">  <link rel="stylesheet" href="style.css">
</head>
<body>
  <div class="input-group">
    <span class="input-group-addon">From: </span>
    <input type="text" id="from" class="form-control">
  </div>

  <div class="input-group">
    <span class="input-group-addon">To: </span>
    <input type="text" id="to" class="form-control">
  </div>

  <div class="input-group">
    <span class="input-group-addon">Function: </span>
    <input type="text" id="func" class="form-control">
  </div>

  <button id="plot_btn" class="btn btn-primary">Plot</button>

  <div id="plot">

    </div>
</body>
<footer>
  <script src="https://code.jquery.com/jquery-2.2.4.min.js"></script>
  <script src="https://cdnjs.cloudflare.com/ajax/libs/flot/0.8.3/jquery.flot.js"></script>
  <script type="text/javascript" src="index.js"></script>
</footer>
</html>
js
$(function(){
  var from
= $('#from');
  var to =
$('#to');
  var func =
$('#func');
  var btn =
$('#plot_btn');
  var plot = $('#plot');

```

```

    btn.click(function(e){
e.preventDefault();

    var from_val = parseFloat(from.val());
    var to_val = parseFloat(to.val());

    setInterval(function(){
from_val += 0.1;          to_val
+= 0.1;
    var values = []

    for(var x = from_val; x <= to_val; x += 0.1){
        values.push([x, eval(func.val())])
    }

    $.plot(plot, [values], { })
    }, 20);

    }); }) css
#plot{    width:
400px;    height:
300px;
    background-color: #aaa; }

```

From: 1

To: 10

Function: $\text{Math.sin}(x)$

Plot

