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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>
  k rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0-
beta/css/bootstrap.min.css" integrity="sha384-
/Y6pD6FV/Vv2HJnA6t+vslU6fwYXjCFtcEpHbNJ0lyAFsXTsjBbfaDjzALeQsN6M"
     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 \le 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
          10
  To:
  Function:
                  Math.sin(x)
  Plot
 1.5
 1.0
 0.5
 0.0
-0.5
-1.0
-1.5
                38
                              40
                                            42
                                                           44
```