

# New Fučík spectra

Natalija Sergejeva

Daugavpils, Latvia

We present some results of 2d-spectra to boundary value problems of the type

$$x'' = -\mu f(x) + \lambda g(x), \quad \mu, \lambda \neq 0, \quad (1)$$

$$x(0) = 0, \quad \int_0^1 x(s) ds = 0, \quad (2)$$

where  $f(x) > 0$  for  $x > 0$ ,  $g(x) < 0$  for  $x < 0$  and  $f(0) = g(0) = 0$ . In some special cases the explicit formulas are given.

Examples and graphs are provided.

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## References

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