1 Ničle Airyjeve funkcije

 $\begin{bmatrix} A1 & A2 & A3 \\ A4 & A5 & A6 \end{bmatrix}$

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using Airy, Plots
using SpecialFunctions
A = \begin{bmatrix} 1 & 2 & 3 \\ 2 & 1 & 1 \\ 5 & -1 & 3 \end{bmatrix}
B = [2 \ 3 \ -1; \ -1 \ -1 \ 0; \ 2 \ 2 \ 1]
kom(A, B)
h = 0.1
sigma(h, A, B)
x = Float64(2)
airyai(x)
tmp =airy_vrednost(x)
[0.3550280538878172, -0.2588194037928068]
[0.3298182583212915, -0.2449759689898648]
[0.30590420287145953, -0.23292674523188217]
[0.28311672761054574, -0.22246707076113253]
[0.261305747528852, -0.2134199323785479]
[0.24033772896040206, -0.20563118843681713]
[0.22009360120564184, -0.19896562994553746]
[0.20046702806736127, -0.19330371207624147]
[0.18136297890344705, -0.18853882532874947]
[0.16269655042584708, -0.184575004064426]
[0.1443919995824168, -0.18132499217122716]
[0.1263819550051452, -0.17870860287307064]
[0.10860678011644974, -0.17665132329287772]
[0.0910140653758919, -0.17508312518532004]
[0.07355823056911723, -0.17393745191193047]
[0.05620022067974206, -0.17315035871414391]
[0.038907280892611876, -0.17265978900255977]
[0.02165279777204288, -0.17240497398374144]
[0.004416194737622531, -0.1723259466784439]
[-0.012817129296955831, -0.17236316438157492]
[-0.030055828780813226, -0.17245723596618656]
[-0.04730261826738015, -0.17254875220029167]
[-0.06455426730831752, -0.17257821846047502]
[-0.08180159374147962, -0.17248608990646175]
[-0.0990294656298114, -0.1722129093309366]
[-0.11621682211184145, -0.17169954751854621]
[-0.1333367233636446, -0.1708875450374518]
[-0.15035643969410345, -0.16971955295306135]
[-0.16723758944861117, -0.16813986801636602]
[-0.1839363348325144, -0.1660950554767174]
[-0.2004036439410447, -0.16353464986242894]
[-0.21658562616119922, -0.16041192095131782]
[-0.2324239466673778, -0.15668468883633557]
[-0.2478563239543861, -0.15231616862848651]
[-0.2628171122428974, -0.1472758221085591]
[-0.27723796817690455, -0.14154019074256002]
[-0.2910485985543094, -0.135093682130181]
[-0.30417758295678915, -0.12792928038197335]
[-0.3165532621612308, -0.12004915032948399]
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[-0.32810468022989847, -0.11146510604679025]
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- [-0.3387625653138008, -0.1021989160406363]
- [-0.3484603315980905, -0.09228242072730158]
- [-0.3571350826083345, -0.08175744245880745]
- [-0.36472859441656913, -0.07067547430346285]
- [-0.3711882562574263, -0.059097140848311205]
- [-0.3764679457862087, -0.04709143220586325]
- [-0.38052881675065, -0.03473472082636623]
- [-0.38333997823622556, -0.022109579229010315]
- [-0.3848790468682051, -0.009303424922499233]
- [-0.385132556353754, 0.0035929738684614063]
- [-0.38409621242146097, 0.01648709194888061]
- [-0.3817749854207105, 0.029286296155877516]
- [-0.37818303740359666, 0.041899502802235415]
- [-0.37334348522922467, 0.05423879620882413]
- [-0.3672880058952644, 0.06622096254256464]
- $\hbox{\tt [-0.36005629470786077, 0.0777688967625629]}$
- [-0.3516953908569667, 0.08881284586678151]
- [-0.3422588883051546, 0.09929145850458937]
- [-0.3318060524955609, 0.10915261897446224]
- [-0.320400865153284, 0.11835405220855978]
- [-0.3081110203549442, 0.12686369508855194]
- [-0.2950068950799404, 0.13465983788939567]
- [-0.28116051668370484, 0.14173104740717846]
- [-0.2666445482341827, 0.14807589006299945]
- [-0.25153131054277345, 0.15370247874478904]
- [-0.23589185713441263, 0.1586278712068479]
- [-0.21979511548247266, 0.16287735044259458]
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- [-0.18649023694021333, 0.16948593601540185]
- [-0.16940270590673792, 0.17192923516256844]
- [-0.15209796449617435, 0.1738632381225015]
- [-0.13462428902388035, 0.17534160203008853]
- [-0.11702442667435117, 0.17642111462037258]
- [-0.09933532005479077, 0.17716095792873662]
- [-0.08158790131144686, 0.17762205476269338]
- [-0.0638069469535929, 0.17786650912682422]
- [-0.046010983569748996, 0.17795714867245974]
- [-0.02821223395087082, 0.17795717455413163]
- [-0.010416592709598074, 0.1779299218860747]
- [0.007376379749590283, 0.17793873235664898]
- [0.025173456154242994, 0.17804693950646502]
- [0.04298774545113847, 0.17831796672091854]
- [0.06083871133506401, 0.17881553813396361]
- [0.07875221755108393, 0.17960400338894572]
- [0.0967606114611742, 0.18074877856041474] [0.11490285769209332, 0.18231690752599325]
- [0.13322473423882064, 0.18437775072665008]
- [0.1517791042562911, 0.18700381163131205]
- [0.17062627800913013, 0.1902717154279892]
- [0.18983448115462379, 0.1942633596459182]
- [0.20948044781592468, 0.19906726277978312]
- [0.22965015989281246, 0.204780144824452]
- [0.2504397579221612, 0.21150878332561124]
- [0.2719566537509789, 0.21937220063109777]
- [0.2943208815937984, 0.22850425319064518]
- [0.3176667320673597, 0.2390567129380183]
- [0.3421447239926594, 0.25120295526234665]
- [0.3679239817390713, 0.26514239954006397]

[0.39519510246896417, 0.28110588896983585] [0.4241736189082207, 0.2993622496925672] [0.4551041906763286, 0.32022633923894994] 0.4551041906763286

test