Список многостадийных методов

Многостадийные методы Адамса-Бэшфорда:

1. $\beta_k = \left\{ \dfrac{3}{2}, \ -\dfrac{1}{2} \right\}$ $(p = 2)$.

2. $\beta_k = \left\{ \dfrac{23}{12}, \ -\dfrac{4}{3}, \ \dfrac{5}{12} \right\}$ $(p = 3)$.

3. $\beta_k = \left\{ \dfrac{55}{24}, \ -\dfrac{59}{24}, \ \dfrac{37}{24}, \ -\dfrac{3}{8} \right\}$ $(p = 4)$.

4. $\beta_k = \left\{ \dfrac{1901}{720}, \ -\dfrac{1387}{360}, \ \dfrac{109}{30}, \ -\dfrac{637}{360}, \ \dfrac{251}{720} \right\}$ $(p = 5)$.

5. $\beta_k = \left\{ \dfrac{4277}{1440}, \ -\dfrac{2641}{480}, \ \dfrac{4991}{720}, \ -\dfrac{3649}{720}, \ \dfrac{959}{480}, \ -\dfrac{95}{288} \right\}$ $(p = 6)$.

6. $\beta_k = \left\{ \dfrac{198721}{60480}, \ -\dfrac{18637}{2520}, \ \dfrac{235183}{20160}, \ -\dfrac{10754}{945}, \ \dfrac{135713}{20160}, \ -\dfrac{5603}{2520}, \ \dfrac{19087}{60480} \right\}$ $(p = 7)$.

7. $\beta_k = \left\{ \dfrac{16083}{4480}, \ -\dfrac{1152169}{120960}, \ \dfrac{242653}{13440}, \ -\dfrac{296053}{13440}, \ \dfrac{2102243}{120960}, \ -\dfrac{115747}{13440}, \ \dfrac{32863}{13440}, \ -\dfrac{5257}{17280} \right\}$ $(p = 8)$.

Многостадийные методы Адамса-Мултона:

8. $\beta_k = \left\{ \dfrac{1}{2}, \ \dfrac{1}{2} \right\}$ $(p = 2)$.

9. $\beta_k = \left\{ \dfrac{5}{12}, \ \dfrac{2}{3}, \ -\dfrac{1}{12} \right\}$ $(p = 3)$.

10. $\beta_k = \left\{ \dfrac{3}{8}, \ \dfrac{19}{24}, \ -\dfrac{5}{24}, \ \dfrac{1}{24} \right\}$ $(p = 4)$.

11. $\beta_k = \left\{ \dfrac{251}{720}, \ \dfrac{323}{360}, \ -\dfrac{11}{30}, \ \dfrac{53}{360}, \ -\dfrac{19}{720} \right\}$ $(p = 5)$.

12. $\beta_k = \left\{ \dfrac{95}{288}, \ \dfrac{1427}{1440}, \ -\dfrac{133}{240}, \ \dfrac{241}{720}, \ -\dfrac{173}{1440}, \ \dfrac{3}{160} \right\}$ $(p = 6)$.

13. $\beta_k = \left\{ \dfrac{19087}{60480}, \ \dfrac{2713}{2520}, \ -\dfrac{15487}{20160}, \ \dfrac{586}{945}, \ -\dfrac{6737}{20160}, \ \dfrac{263}{2520}, \ -\dfrac{863}{60480} \right\}$ $(p = 7)$.

14. $\beta_k = \left\{ \dfrac{5257}{17280}, \ \dfrac{139849}{120960}, \ -\dfrac{4511}{4480}, \ \dfrac{123133}{120960}, \ -\dfrac{88547}{120960}, \ \dfrac{1537}{4480}, \ -\dfrac{11351}{120960}, \ \dfrac{275}{24192} \right\}$ $(p = 8)$.