Erratum: Linear coupling parametrization in the action-angle frame **[Phys. Rev. ST Accel. Beams 7, 124001 (2004)]**

Y. Luo

(Received 3 August 2005; published 17 March 2006)

DOI: [10.1103/PhysRevSTAB.9.039901](https://doi.org/10.1103/PhysRevSTAB.9.039901)

PACS numbers: 29.20.Dh, 29.27.Bd, 99.10.Cd

The author found two equations are not correct in this paper.

Equation (33) should read

$$\mathbf{P} = \begin{pmatrix} r\sqrt{\beta_I} & 0 & c_{11}\sqrt{\beta_{II}} - \frac{c_{12}\alpha_{II}}{\sqrt{\beta_{II}}} & \frac{c_{12}}{\sqrt{\beta_{II}}} \\ -\frac{\alpha_I r}{\sqrt{\beta_I}} & \frac{r}{\sqrt{\beta_I}} & c_{21}\sqrt{\beta_{II}} - \frac{c_{22}\alpha_{II}}{\sqrt{\beta_{II}}} & \frac{c_{22}}{\sqrt{\beta_{II}}} \\ -\frac{c_{12}\alpha_I}{\sqrt{\beta_I}} - c_{22}\sqrt{\beta_I} & \frac{c_{12}}{\sqrt{\beta_I}} & r\sqrt{\beta_{II}} & 0 \\ \frac{c_{11}\alpha_I}{\sqrt{\beta_I}} + c_{21}\sqrt{\beta_I} & -\frac{c_{11}}{\sqrt{\beta_I}} & -\frac{\alpha_{II} r}{\sqrt{\beta_{II}}} & \frac{r}{\sqrt{\beta_{II}}} \end{pmatrix}. \quad (33)$$

Equation (37) should read

$$\mathbf{C} = \mathbf{P}_{12}\mathbf{U}_2^{-1} = r\mathbf{P}_{12}\mathbf{P}_{22}^{-1}. \quad (37)$$

These errors do not affect any other equations or conclusions in the rest of this paper.