The Bochner periodic relations describe behaviour of the Fourier transform on isotypic components of the action of the special orthogonal Lie group SO_m on the Schwartz space. Fourier transform can be expressed as a suitable element of the double cover $\widetilde{SL}_2$ of special Lie group SL_2. That is possible due to the Howe duality describing the decomposition of Schwartz space to $\widetilde{SL}_2 \times SO_m$-invariant isotypic components.